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A SCHEME

FOR

Thorough, Rapid, Systematic

PLANT ANALYSIS.

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PREFACE.

In preparing this scheme I have been guided by the conviction that the chief value of Botany, as an educational means, is to teach correct habits of investigation, and at the same time to develop systematically those faculties of the mind that are exercised in the prosecution of such work.

The familiarizing with botanical terms and the learning of the name of the plant simply, are in my view entirely subordinate to this higher end. System, then, is indispensable, as is also completeness as far as practicable. I have endeavored to so arrange this scheme as to make the attainment of these results almost certain, even in the hands of inexperienced teachers.

I believe the arrangement of the terms used in describing the plant necessitates systematic observation and a high degree of thoroughness, while at the same time it saves the tedious labor of writing out the description of the plant, and the mental energy which must otherwise be exhausted in an unprofitable effort to recall the technical descriptive terms. The Glossary will enable the pupil to refresh his memory, and will be otherwise useful.

The fundamental basis, upon which rests the system of this scheme, is in the main that suggested in an "Outline of a Course of Oral Instruction" by Prof. T. C. Chamberlin.

I desire to express to Prof. Chamberlin my sincere thanks for valuable suggestions and other assistance which he has kindly given me in preparing this scheme.

EXPLANATIONS.

All terms are defined in the glossary under corresponding heads and in the order they occur in the Check Table. Other related terms are also given and defined in their appropriate place. If a particular feature of the plant is not described by any word under that head, write the proper word in the blank space left at the end of the list. The proper word may in most cases be found by referring to that head in the Glossary. An observation of the specimen page will suggest the method of indicating the analysis. When any point in the check table is not understood refer to that head in the Glossary.

When it is impossible or too difficult to determine a particular feature of a plant, pass it by. Never guess. Where a character is doubtfully ascertained always prefix the $\frac{1}{2}$ (?).

Very young pupils should not be required to make the more difficult determinations; and the teacher must use his or her judgment as to what points ought to be omitted.

GLOSSARY

OF

BOTANICAL TERMS, WITH SUGGESTIONS.

GENERAL FEATURES.

HABIT:

Terrrestrial: growing in the soil out of the water.

Aquatic: growing in the water.

Parasitic: growing upon other plants and feeding on their sap.

Aerial: living on material taken wholly from the air.

DURATION:

Annual: a plant that fruits at the end of the first season.

Biennial: a plant that fruits at the end of the second season.

Perennial: a plant living year after year.

ODOR:

Fragrant: yielding a pleasant perfume.

Aromatic: having a fragrant smell. Ex. Mints.

Pungent: stinging like ammonia.

Petid: offensive, stinking. Ex. Sam's Cabbage.

JUICE:

COLOR:

Colorless: as in the majority of plants.

White: as in the Milk Weeds.

Red: as in the Blood Root.

Yellow: as in the Yellow Poppy.

TASTE:

Acrid: as in the Buttercups.

Acid: as in the Sorrel, and Pieplant.

Sweet: as in the Sugar Maple.

Bitter: as in the Polygala.

Pungent: as in the Mustard Family.

Astringent: as in the bark of the Rose Family.

Insipid: as in the Purslane Family.

SUGGESTION.

Great caution should always be observed in determining this character, as many of the plants contain a poisonous principle.

GENERAL CHARACTER:

Limpid: clear and transparent.

Viscid: sticking or adhering.

Mucilaginous: slimy resembling mucus.

Resinous: as in the Rosin plant.

Milky: resembling milk.

Watery: resembling water.

ROOT.

FORM:

Conical: tapering like a cone. Ex. Carrot.

Fusiform: large in the middle and tapering each way.

Napiform: turnip shaped.

Ramose: a woody tap-root finally dissolved.

Solenit: soon losing itself in branches.

Fibrous: slender, thread-like.

Fusculente: a fleshy tuberous cluster.

Nodulose: fiber enlarged at certain points only.

Momiform: enlarged at regular intervals.

Tuberated: bearing tubercles here and there.

Aerial: coming from stems above ground.

GEN. CHARACTER, as texture, color, taste, etc.

STEM.

MODE OF GROWTH.

Exogenous: increasing by annual additions to the outside.

Endogenous: inside growers.

DIRECTION OF GROWTH.

Erect: rising directly upwards.

Assurgent: rising obliquely upwards.

Diffuse: when loosely spreading in all directions.

Decumbent: reclining on the ground.

Prostrate: lying flat on the ground from the first.

Climbing: rising by tendrils, leaf stalks or rootlets.

Twining: rising by coiling around objects.

NATURE:

Herbaceous: when it dies down to the ground every year.

Suffrutescent: when the bottom of the stem above the soil is a little woody, and inclined to live from year to year.

Suffruticose: decidedly woody below and herbaceous above.

Fruticose: woody, living from year to year, but small.

Arborescent: tree-like in appearance.

Arbores: when forming a proper tree.

MODE OF BRANCHING:

Simple: not branching.

Furcate: forked.

Excurrent; trunk continued to the top of the tree.
Racemose; small stems branching like a raceme.
Panicleate; small stems branching like an irregular compound raceme.

Corymbose; branching like a corymb.
Deliquescent; like the Oak and Apple.

Diffuse; spreading widely and irregularly.

SPECIAL FORMS:

Suckers; shoots from subterranean branches.

Stolons; trailing or reclining and rooting shoots.

Offsets; short branches next to the ground which take root.

Runners; prostrate filiform stems rooting at the end.
Tendrils; when thread-shaped and used for climbing.

Thorns; sharpened woody processes from leaf-axils.
Spines; properly applied to modified leaves only.

Culm, the stem of Grasses and Sedges.

Caulis; the main stem.

Caudex; a trunk such as that of the Palm.

GEN. CHARACTER.

Ter etc; nearly cylindrical.

Striate; with slight longitudinal lines.

Grooved; marked with shallow channels lengthwise.
Furrowed; marked with deep channels

3-4-Angled; like the stems of the Catnip and Sedges.
Solid; with no cavity in the center.

Hollow; like the straw of Wheat.

Flexuose; Zigzag, bending gently in opposite directions.

Geniculate; bent abruptly, like a knee.

Tumid; stems with swollen joints.

Sulcate; grooved longitudinally with deep furrows.

Bisulcate; with two deep furrows.

UNDERGROUND:

Rhizoma; a prostrate, fleshy, perennial rooting stem, more or less perfectly subterranean.

Corm; a solid, rounded or oval subterranean stem.

Bulb; a shortened stem, clothed with fleshy scales.

Tuber; a thickened portion of an underground stem.
Potato.

Prenurse Rhizoma; a short, erect rhizoma.

Tunicated; said of bulbs when the scales form broad and concentric layers. Ex. Onion.

Saaly; said of bulbs when the scales are thick and separate.

Creper; a prostrate, subaerial or subterranean, scaly stem. Ex. Witch grass.

SURFACE:

Designate this character by prefixing to the letter: a, b, or c, the number found opposite the similar character of the leaf. Thus 3-b for stem pubescent.

HEIGHT.

Indicate the height of the plant thus: 10-30 for one to three feet high or 6"-14" for six to fourteen inches high.

LEAVES.

KINDS:

Sessile; without leaf stalk.

Petiolate; having a leaf stalk.

Stipulate; bearing stipules.

Exstipulate; destitute of stipules.

Eguntum; riding staddle, as the leaves of the Tr's.

Perfoliate; when the stem appears to pass through the leaf.

Stipellate; said of leaflets when they are appendaged at the base.

ARRANGEMENT:

ON THE STEM.

Cauline; when growing on the stem.

Radiate; when growing at the base of the stem.

Ramant; when they grow from the branches.

ALONG THE AXIS.

Alternate; one above another on opposite sides.

Scattered; irregularly spiral. Ex. Potato.

Rosulate; clustered regularly like the petals of a rose.

Fusculuate; clustered, many together in the axil.

Ex. Pine.

Opposite; two over against each other at the same node.

Verticillate; more than two in a circle at the same node.

Decussate; the successive pairs crossing each other at right angles.

SUGGESTION.

Such words as *Few*, *Sparsely*, *Closely*, may be prefixed to cauline, alternate, etc., to denote the abundance or scarcity of leaves.

DURATION:

Persistent; when they remain on during the winter or other interval during which leaves are shed.

Deciduous; when shed at the end of summer.

Ephemerous; when they fall off soon after their appearance.

TEXTURE:

Succulent; thickened, and juicy or fleshy.

Coriaceous; leathery.

Rugose; wrinkled.

Scarious; thin, dry, and membranous.

VERNATION:

Straight; open, not bent, folded or rolled.

Reckmate; bent forwards upon the leaf-stalk.

Conduplicate; with the two halves folded face to face.

Plicate; when folded backward and forward like the plaits of a fan.

Circinate; when rolled from the tip downwards.

Conspiculate; when rolled clear across parallel with

the axis.

Revolute; when both edges are rolled outward toward the middle.

Involute ; when both edges are rolled inward towards the midrib.
Obvolute ; half equitant, when the outer leaf embraces only one of the margins of the inner. Ex. Sage.
Equant ; when conduplicate leaves alternately embrace.

VENATION :

PARALLEL.

Straight ; as in the linear leaf of the Grasses.
Curved ; as in the oval leaf of the Orchids.
Transverse ; when the veins run parallel from the midrib to the margin, as in the Calla.

NETTED.

Pinnate ; when the midrib sends off lateral veins in its course from the base to the apex.
3-Nerved ; when the midrib gives off a very strong primary vein on each side just above its base.
5-Nerved ; when two such veins are given off from each side.
7-Nerved ; when three such veins are given off from each side.
Radiate ; when the apex of the petiole appears to divide into three or more nearly equal ribs or veins.

FORM :

COMPOUND LEAVES.

Pinnate ; when the leaflets are situated along the side of a common petiole.
Abruptly-pinnate ; when there is an even number of leaflets.
Impari-pinnate ; when there is an odd number of leaflets.
Lyrately-pinnate , when a lyrate leaf is completely divided.

Interruptedly pinnate ; when some minute leaflets are irregularly intermixed with larger ones.
Pulvate ; leaflets all attached at the end of the petiole.

Unit-Bi-Tri or *1-2-3-Pinnate* or *Palmate* ; denotes the number of times a leaf is compound.

Decomound ; indefinitely several times compound.
1-2-3-4-5-Foliolate ; denotes the number of leaflets.

SIMPLE LEAVES & LEAFLETS.

General Outline.

Filiform ; thread-like, leaves of Asparagus.
Acicular ; slender, needle-shaped or bristle-shaped.
Acicose ; needle-shaped, like Pine leaves.
Subulate ; awl-shaped, narrow, tapering to a rigid point.

Linear ; several times longer than broad, margins parallel.

Lanceolate ; several times longer than wide, tapering upwards, or upwards and downwards.

Ob lanceolate ; like lanceolate widest toward the top.

Spatulate ; like oblanceolate, with rounded apex.

Oblong , twice or thrice as long as wide, sides nearly parallel.

Elliptical ; oblong with an even flowing outline.
Oval ; elliptical with breadth more than half the length.

Rotund ; circular in outline, or nearly so.

Ovate ; like the longitudinal cross section of a hen's egg with the broad end down.

Obovate ; ovate with the broad end up.

Cuneate ; broad above, tapering by straight lines to an acute base.

SUGGESTION.

All these forms shade into one another and the form is then designated by combining the terms, as Lance-linear, is given to a long narrow leaf whose sides are not quite parallel, and 1 Linear-lanceolate, describes a long lanceolate leaf. Prefix the numbers thus 5-Lanceolate instead of the above.

Base.

Acutinate ; contracted into a long tapering base.
Acute ; when the sides of the base form an acute angle.

Obtuse ; when the sides of the base form an obtuse angle.

Truncate ; when the base appears cut square across.
Cordate ; heart-shaped.

Auriculate ; having a pair of blunt projections at the base.

Sagittate ; when the ears are pointed and turned downwards.

Hastate ; with pointed ears directed outward.

Peltate ; where the petiole appears attached to the lower surface.

Reniform ; like the longitudinal cross-section of a kidney.

Clasping ; cordate adhering to the stem.

Connate ; when the bases of two leaves are grown together.

Decurrent ; when the margin of the leaf is continued down the stem, adhering to it. Ex. Mullein.

Leaves as to their Apex.

Acutinate ; with the summit prolonged into a long tapering point.

Acute ; when ending in an acute angle.

Obtuse ; terminating in an obtuse angle.

Truncate ; with the end as if cut off square.

Retuse ; with a rounded summit slightly indented.

Emarginate ; with the apex more indented.

Obcordate ; inversely heart-shaped.

Cuspidate ; tipped with a sharpened rigid point.

Mucronate ; tipped with a point, like a projection of the midrib.

Aristate ; when the point is extended into a long bristle.

Leaves as to Margin.

Revolute ; when the margin is turned backward.

Entire ; when the margin is an even flowing line.

Serrate ; margin cut into sharp teeth directed forwards

Serrulate ; minutely serrate.

Dentate; when the teeth point outwards.

Crenate; with broad, rounded teeth.

Repand; when the margin presents a wavy line.

Sinuate; when it bends strongly outwards and in-

wards.

Incised; when cut into sharp, deep, irregular teeth.

Fringed; when beset with slender appendages.

Ciliate; when fringed with hairs.

Lobed; when the incisions do not extend more than

half way from the margin to the mid-rib.

Cleft; when the incisions extend half way or more.

Parted; when the incisions do not quite reach the

midrib.

Pectinate; pinnately divided into narrow and close

divisions like the teeth of a comb.

Lyrate, an obovate, or spatulate leaf divided, with

the end lobe large and roundish, and the lower

lobes smaller.

Runcinate; like lyrate with the lobes directed down-

wards.

Divided; when the incisions extend to the midrib.

SUGGESTIONS.

Various modifications of the above occur which are designated by means of prefixes, as, we may

have leaves which are Closely, Remotely, Doub-

ly, Finely, Coarsely, or Appressed,—Serrate—

or Divided, should be noted by prefixing numerals,

thus 5-Lobed, 7-Parted, etc.

SURFACE:

NO HAIRS.

Glabrous; smooth, i. e. destitute of hairiness.

Glaucous; covered with a whitish bloom. Ex. Cab-

bage leaf.

Punctate; covered with punctures, or small holes.

Verrucose; warty.

Glaucescens; slightly glaucous.

Puberaceous; dusty or powdery on the surface.

Puberulent; same as last.

Maculate; spotted or blotched.

Glandular; bearing glands.

BEARING SOFT HAIRS.

Puberulent; minutely downy.

Pilose; few and short.

Pubescent; dense and short.

Villosa; dense and long.

Silky, *Sericeous*; clothed with fine, appressed and glossy hairs.

Woolly, *Lanuginous*; long, curly or matted.

Velvety, *Velutinous*; very fine and close, velvety to

the touch.

Floccose; clothed with locks or tufts.

Tomentose; clothed with a close and matted down.

Lobwebby; bearing long hairs like gossamer.

Downy; with soft pubescence.

Hairy; grayish-white from a fine pubescence.

BEARING STIFF HAIRS.

Scabrous; rough to the touch.

Hispid; beset with stiff bristly hairs.

Aenulate; beset with prickles.

Spinous; armed with spines.

Prickly; armed with prickles.

Ciliate; bearded with long stiff hairs.

Echinata; beset with prickles.

Strigose; clothed with sharp, close-appressed hairs or bristles.

Sedulose; bearing minute bristles.

STIPULES:

FORM.

The same terms are used here that are used in describing the forms of leaves. Prefix the number to the letters a, b, c, d, instead of writing the word.

Ligule; the appendage between the blade and the sheath, in Grasses.

Ochrea; (a boot) a membranous sheath enclosing the stem from the node upwards. Ex. Polygonaceæ.

Tendrils; when filiform, and used for climbing.

Intrafoliaceous; within or before a leaf.

ADHESION.

Free; when not growing to the petiole.

Adnate; adhering to the petiole. Ex. Clover.

Clasping; adhering to and enclosing the stem.

GENERAL CHARACTER.

Membranous; thin and soft, like a membrane.

Foliaceous; leaf-like.

Spinous; in the form of spines. Ex. Locust.

Sclerous; like a bristle.

DURATION.

Fragacious; existing in the bud but dropping when the leaf expands.

Deciduous; falling before the leaf.

Persistent; remaining until the leaf falls.

SURFACE.

Use the same terms that are applied to the surface of the leaf.

BRACTS.

FORM:

The same terms are used to describe the form of bracts as are used to describe the leaf.

Prefix to the letters a, b, c, d, the number found opposite the word which describes the corresponding character of the General Outline, of the Base, of the Apex, and of the Margin of the leaf.

SURFACE:

Prefix the number opposite the word used, to describe the similar character of a leaf.

GENERAL CHARACTER:

Follicious; leaf-like in texture.

Petaloidous; colored, resembling petals.

Membranous; thin and like a membrane.

Spinous; resembling spines.

INFLORESCENCE.

INDETERMINATE, or Axillary.

Solitary ; when a single flower comes from the axil of an ordinary leaf.

Raceme ; when single, pedicelled flowers are arranged along a prolonged axis.

Corymb ; a convex or flat-topped flower-cluster.

Umbel ; when equal peduncles rise from a common point.

Panicle ; an irregularly-branched compound raceme.

Thyrus ; a compact panicle.

Spike ; when sessile flowers are arranged along a

lengthened axis.

Spike ; a fleshy spike. Ex. *Calla*.

Catkin ; a scaly spike. Ex. *Willow*, *Poplar*.

Head ; a globular cluster of sessile flowers.

DETERMINATE, or [Terminal.]

Siliary ; when a single flower terminates the stem.

Cyme ; a flat-topped or convex flower cluster blossoming from the center outwards.

Panicule ; a very compact cyme with upright appressed branches.

Glomerule ; a cyme condensed into a sort of head.

Verticillaster ; a pair of dense cymes forming an apparent whorl. Ex. most Labiates.

SUGGESTIONS.

Such qualifying words as Simple or Compound, Few-fl., or Many-fl., Close or Spreading, Loose or Dense, Large or Small, etc., may be prefixed to many of the principal forms of inflorescence to denote a particular character. Sometimes the forms verge into one another. The blending is noted by combining the terms as Corymbose-Panicle, Racemose-Corymb, etc. Sometimes the two systems are combined, as in some Composite it occurs that the heads are in cymose clusters, and in some Labiates the verticillaster may be spicate, etc.

FLOWER.

KINDS :

Symmetrical ; having the same number, or a multiple of the same number, of each kind of floral organs.

Unsymmetrical ; when the number in each set is not the same or a multiple of the same.

Complete ; when possessing all the organs that any flower has.

Incomplete ; when destitute of one kind of organs.

Regular ; when all the organs of the same kind have the same form and size.

Irregular ; when they are not all of the same shape or size.

Perfect ; bearing both stamens and pistils.

Imperfect ; stamens or pistils wanting.

Staminate ; when without the pistil.

Pistillate ; when without stamens.

Fertile ; maturing seed, and without stamens.

Sterile ; same as staminate.

Neutral ; having neither stamens nor pistils.

Monocious ; when staminate and pistillate flowers are borne on the same plant.

Dioecious ; when borne on different individuals.

Polygamous ; when staminate, pistillate and perfect flowers are borne on the same plant.

PLAN :

Mon-or 1-merous ; a flower with but one organ of each kind.

Di-or 2-merous ; with two of each kind.

Tri-or 3-merous ; with three of each kind.

Tetra-or 4-merous ; with four of each kind.

STALK :

LENGTH.

The length may be given as long or short in inches or lines as 2' or 4', or as compared with the calyx or corolla, as = c. or = 2c.

INVOLUCRE :

FORM.

Racemous ; leaves or bracts in a single row loose and spreading.

Cup-Shaped ; hemispherical, with the vertical diameter greater than the transverse.

Hemispherical ; with the outline of half a sphere.

Cylindrical ; long, with circular outline and sides parallel.

Bell-Shaped ; like the outline of a bell.

Conical ; scales straight, slightly diverging but close. *Ovoid* ; when shaped like a hen's egg.

SCALES.

Direction.

Appressed ; crowded in upon the flowers.

Erect ; rising directly upwards.

Spreading ; loose and diverging.

Reflexed ; turned back upon the stem.

INVOLUCEL :

The involuvel when present is to be described in the same manner as the involucre by using the same terms. Prefix the small letter (i) before the terms which describe it.

RECEPTACLE :

FORM.

Urn-Shaped, *bell-like* ; as in the Rose.

Elongated ; lengthened into a beak. Ex. *G. raium*.

disk ; an appendage of the receptacle.

Hypogynous ; free from the pistil or calyx.

Perigynous ; when it adheres to the base of the calyx.

Epigynous ; when adhering to the ovary and expanding on its summit.

SURFACE.

Naked ; destitute of any covering or appendage.

Smooth ; without irregularities.

Punctate ; dotted with small depressions.

Abovate : having deep angular depressions, separated by thin partitions.
Bristly : covered with or bearing bristles.
Chaffy : bearing dry chaffy scales.
Fringed : bordered with slender processes.

CALYX AND COROLLA :

GAMOSEPALOUS.

GAMOPETALOUS.

SUGGESTION.

Prefix *c* before the words that describe the calyx, and *co* before the words that describe the corolla. Complete the description of the Calyx before giving that of the Corolla.

Form.

Rotate : wheel-shaped, tube very short.
Sancer-Shaped : rotate, with the border turned up.
Cup-Shaped : tube broad and not spreading.
Campanulate : bell-shaped, tube broad and spreading.
Funnel-form : tube long, narrow, and enlarging gradually.
Salter-form : tube long, slender, and limb spreading at right angles.
Urn-shaped : somewhat globular, contracted at the mouth.
Top-shaped : as in some of the Gentians.
Tubular : somewhat cylindrical throughout.
Ligulate : appearing as if a tubular form was split down one side, and spread out, strap-shaped.
Labiata : with irregular lobes forming lips.
Bilabiate : with two lips.
Galeate : when the upper lip is arched.
Ringent : when the lips are gaping, and throat open.
Personate : when the mouth is closed, or partly so, by a protuberance of the lower lip.
Spurred : when the base is prolonged into a hollow spur.
Saccate : when the base is protuberant, forming a sack.
Inflated : when swollen, dilated or bladder-y.

Border of the Tube.

Entire : margin not broken or cut,
Truncate : appearing as though cut off.
Toothed : with short tooth-like projections.
Lobed : when the incisions extend, half way down or nearly so.
Cleft : when cut half way down or more.
Purled : when cut nearly to the base.
Papipus : the modified form of calyx found in the Composite flowers. It may be in the form of a Composite flower.
Cup : as in the Mayweed.
Scales : as in the Sandflower.
Awns : when stiff and sharp as in the Tickseed.
Bristles : when in the form of capillary hairs.

The hairs may be

Naked : when there are no fine hairs on the sides.

Plumose : when fine hairs project outwards from the sides.

Smooth : when the surface is even.

Rough : when bearing irregular projections.

Single : when there is but one row.

Double : when there are two rows.

SUGGESTION.

Express the number of teeth, lobes, etc., by prefixing numerals, thus *c. 5*-lobed for, calyx five-lobed *co. 5*-cleft for corolla five-cleft.

In describing the lobing of labiate corollas prefix such expressions as 1-1-1 for upper lip equally 3-lobed and lower two-lobed, 1-1 for middle lobe

upper lip twice as large as the side lobes, or 1-2-1 3-3 when the lobes of the lower lip are largest, etc.

POLYSEPALOUS.

POLYPETALOUS.

Rosaceous : petals without claws, like the Rose.

Liliaceous : when the petals or sepals are erect spreading gradually towards their summit.

Cruciferous : where the four petals diverge equally from one another forming a cross.

Caryophyllaceous : where the petals have long narrow claws enclosed in the tube of the calyx.

Papilionaceous : resembling a butterfly. Ex. Sweet Pea.

Orchidaceous : the form of perianth peculiar to the Orchis.

Anomalous : too irregular for naming.

DURATION.

Persistent : when remaining until the fruit ripens.

Marcrescent : withering without falling off.

Deciduous : falling with the stamens.

Caducous : when falling off at the time of opening, as in the Poppy and Grape.

Accrescent : when continuing to grow after flowering.

COLOR.

Cyanic,

Xanthic,

Green *G.*

Blue-green *B-g*

Yellow *Y*

Blue *B*

Blue-violet *B-v*

Violet *V*

Violet-red *V-r*

Red *R.*

SURFACE.

Prefix the number opposite the word used to describe the similar character of a leaf.

If the surface character is on the inside of the calyx or corolla, express it thus : < 10 ; if on both sides, thus : $2 \text{ c } < 20$.

Often the calyx is ribbed or nerved as in the Mint Family when the character is denoted thus : 5-Nerved, 15-Nerved, etc. 5-Ribbed, 15-Ribbed, etc.

TEXTURE.

Petaloidous; petal-like.

Herbaceous; leaf-like.

Fleshy; thickened with nourishment.

SEPALs AND PETALS.

Direction.

Appressed; lying flat against, close-pressed together.

Spreading; diverging loosely.

Reflexed; turned downwards or backwards.

Form.

Prefix the number opposite the word used to describe the similar form of a leaf.

ESTIVATION.

Open; when the calyx or corolla is not closed over the other parts of the flower. Ex. Mignonette.

Valvate; when the parts are in contact edge to edge.

Induplicate; valvate with the edges turned inwards.

Reduplicate; valvate with the edges turned outwards.

Imbricate; when one or more petals or sepals is wholly outside, overlapping two others by both its margins.

Contorted; when each piece overlaps its neighbor all in the same direction, appearing twisted. Phlox.

Convolute; when each piece wholly involves all that are within it.

Plicate; when the tube is plaited.

Superovulate; when the plaits are laid over one another in a convolute manner.

Vaccillary; when one piece, larger than the others, is folded over all the rest. Ex. Pea, Bean.

STAMENS :

POSITION.

Alternate; when standing in front of the angle of the petals, or of the sepals when the petals are wanting.

Opposite; when standing in front of the petals, or in front of the sepals when the petals are wanting.

INSERTION.

Hypogynous; borne on the receptacle under the pistil.

Perigynous; borne on the calyx.

Epigynous; borne on the ovary apparently.

Gynandrous; consolidated with the style.

Epipedulous; borne on the petals.

On a Disk; borne on the disk of the receptacle.

COHESION.

Monadelphous; united by their filaments into one set.

Diadelphous; united by their filaments into two sets.

Triadelphous; united by their filaments into three sets.

Polyadelphous; united into more than three sets.

Syngenesious; united by their anthers.

LENGTH.

Didynamous; four in number, two long, two short.

Tetradynamous; six, four longer than the other two.

GENERAL FEATURES.

Included; not protruding out of the corolla.

Eserted; protruding out of the corolla.

Sexile; without a filament.

Univalent; converging together.

Sterile; filament without anther.

NUMBER.

Mon, Di, Tri, Tetr, Pent, Hex, Hept, Oct.

One, Two, Three, Four, Five, Six, Seven, Eight,

9, 20, 30, 40, 50, 60, 70, 80,

etc., up to twenty when Polyandrous, manyandrous or *Co* to twenty.

FILAMENT.

Form.

Capillary; slender, hair-like.

Filiform; thread-like.

Dilated; flattened, or leaf-like.

Heavy; thick in proportion to length.

Sparted; with a process at the base. Ex. Violet.

Surface.

Prefix the numbers of words used to describe the surface of leaves.

ANTHER.

Attachment.

Innate; attached by its base to the apex of the filament.

Adnate; attached by one face to the filament.

Versatile; fixed by its middle to the apex of the filament.

Introrse; turned towards the pistil.

Extrorse; turned outwards.

Pendulous; fixed by the apex, and hanging down.

Form.

Linear; long and narrow.

Sagittate; arrow-shaped.

oblong; twice as long as wide.

Peltate; shield-shaped.

Ovate; egg-shaped.

Awed; beaked. Ex. many of the Death Family.

Reniform; kidney-shaped.

Dividate; lobes separated, (bivalved anthers).

Cordate; heart-shaped.

Number of Cells.

Express with numerals.

Dehiscence.

Lateral; opening the whole length of the anther.

Transverse; opening across the anther.

Porous; opening by chinks or pores.

Opercular; opening by valves upwards.

POLLEN.

Form.

Spheroidal, Oval, Triangular, Polyhedral, etc.

Surface.

Smooth, Grooved, Striped, Banded, Dotted, Checkered
Spinous, etc.

POLLINIA.

Position.

Pendulous, Vertical, Horizontal, Parallel, Diverging,
Dorsal, etc.

Number.

1, 2, 3, 4, 5, etc., Pairs; if single, 1, 2, 3, etc.

Attachment.

Sessile, Stalked.

Character.

Smooth, Cobwebby, Mealy, Powdery, Waxy.

PISTIL:

KIND.

Closed: when of the ordinary sort.

GynospERMous: as in the Pine and Tamarack.

COHESION.

Simple: composed of but one carpel and having but
one cell, style, stigma, and placenta.

Compound, composed of several carpels.

Multiple: a collection of simple pistils

NUMBER.

Mono, Di, Tri, Tetra, Penta, Poly-gynous.

1, 2, 3, 4, 5 ∞ many.

STYLE.

Form.

Filiform: slender, thread like.

Subulate: awl-shaped.

Club-shaped: enlarging upwards.

Branching: dividing into branches.

Dedinate: turned over to one side.

Position.

Terminal: rising from the top of the ovary.

Lateral: rising from the side of the ovary.

Basilar: spring from the base of the ovary.

STIGMA.

Position.

Terminal: on the summit of the style.

Lateral: on the side of the style.

Sessile: borne on the ovary.

Recurved: terminal, bent sharply to one side.

Form.

Discoid: disk shaped.

Hemispherical: half a sphere.

Globose: nearly globular.

Filiform: thread like. Ex. Corn.

Linear: long and slender.

Peltoid: shield shaped. Ex. Pitcher plant.

Fimbriate: fringed. Ex. Grasses.

Stellate: with radiating lines. Ex. Poppy.

Rostrate: bearing a beak.

Hooded: resembling a hood. Ex. Violet.

Flabellate: fan shaped.

OVARY.

Adhesion.

Superior: free from the calyx.

Half-superior: calyx united half way up.

Inferior: calyx wholly adherent.

Form.

Linear Terete, Flattened, Oblong, Ovate, Fusiform,
Conical, etc.

General Features.

Included: not protruding beyond the calyx.

Eserted: protruding beyond the calyx.

Stipitate: elevated on a stalk. Ex. Spurge.

Placentation.

Free-central: when the seeds are borne on a stalk in
the center of a one celled ovary.

Axillary: when the seeds are attached to the axis of
a compound pistil of two or more cells.

Parietal: when the seeds are arranged along the
sides of a simple or compound pistil. There may
be 1, 2, 3, etc., parietal placentae. In the parietal
placentation the seeds may cover nearly the whole
wall of the ovary, as in the Poppy and Gentian.

O VULES:

KINDS.

Andropous: inverted with the raphe extending
from the base to the orifice.

Amphitropous: as in the last with the raphe ex-
tending half way from the base to the orifice.

Gynophytropous: bent over to one side.

Orthotropous: straight, with the hilum at one end
and the orifice at the other.

DIRECTION IN OVARY.

Erect, rising directly upwards from the base.

Ascending, rising obliquely upwards.

Horizontal, inclining neither upwards nor down-
wards.

Pendulous, hanging obliquely downwards.

Suspended, hanging directly downwards from the
summit.

FRUIT.

DEHISCENCE:

Valvular.

Sutural, when it takes place at the sutures of any
one celled pod as in the Pea, Violet.

Septicidal, splitting through the partitions.

Loxothecidal, opening into the back of the cell.

Septifragal, where the valves separate from the
partitions.

POROUS.

When opening by pores. Ex. Poppy.

CIRCUMSCISSILE.

When opening by a transverse circular line. Ex.

Purslane.

KINDS:

FLESHY.

Berry, rind membranous. Ex. Currant, Grape.
Hesperidium, leathery rind. Ex. Orange.
Pepo, rind hard. Ex. Pumpkin, Squash.
Pome, adherent fleshy calyx.

STONE.

Drupe, three-coited, one-celled. Ex. Plum, Cherry.
Elaterio, a cluster of drupes. Ex. Raspberry.
Tropea, a dryish drupe, 2-coited (each), fibro-fleshy or woolly, nucleus bony, cell often 2-parted. Ex. Butternut, Hickory.

DRY.

Indehiscent.

Achenium, coat free from the single seed.
Utricle, coat fitting loosely the single seed, and often splitting to discharge it.

Caryopsis, coat adherent to the seed. Ex. Grains.

Nut, Glans, coat hard, invested with an involucre. Ex. Acorn, Hazelnut.

Samaris, one-seeded, with a membranous wing. Ex. Maple.

Dehiscent.

Follicle, 1-celled, many-seeded, opening by ventral suture.

Legume, 1-celled, splitting into two halves.

Loment, a jointed legume, separating into 1-seeded portions.

Capsule, pod of two or more carpels opening by valves or pores.

Regma, when the carpels separate elastically but remain attached to the carpophore. Ex. Geranium.

Siliqua, a linear pod, 2-carpelled, 2-celled by false partitions.

Silicle, a short, broad silique.

Pyxis, many-seeded opening by a lid.

AGGREGATE.

When a cluster of carpels are closely packed on one receptacle. Ex. Raspberry, Fig.

ACCESSORY.

When the most conspicuous part does not belong to or is adherent with the ovary. Ex. Rose-hip, Four o'clock.

MULTIPLE.

Ströble, such as the cone of the Pine and Tamarack.

Gallatula, a more or less fleshy closed cone. Ex. Juniper.

FORM.

The form of the fruit often differs from that of the young ovary and needs a special description.

NO. OF CELLS.

The number of cells in the fruit often differs from that in the young ovary, being sometimes less and sometimes more.

ODOR.

Terms similar to those suggested under "General Features" may be used.

TASTE.

Terms similar to those named under "General Features" may be used.

PERICARP.

TEXTURE.

Membranous, papery.

Coriaceous, leathery.

Succulent, fleshy.

Woody, having a woody texture.

Bony, having a firm hard texture. Ex. Hazelnut.

Horned, resembling horn.

SURFACE.

The surface of the fruit may be described as other surfaces are.

COLOR.

The pericarp of the matured fruit usually presents a different color from that of the green fruit.

SEED.

NUMBER:

Prefix numerals when of a definite number. When indefinite, the character (∞).

FORM:

Such terms as Ovale, Ovoid, Oblong, Elliptical, Globose, Sub-globose, Ovat-globose, Reniform, Flattened, Rotate, Pulley-shaped, etc., are used to describe the form.

KIND:

Albuminous, when with albumen.

Escaluminous, when without albumen.

COATS:

OUTER.

Surface.

The surface may be described as other surfaces are

Texture.

Membranous, thin and soft, like a membrane.

Coriaceous, leathery.

Crustaceous, crusty, hard and brittle.

Bony, of the consistency of bone.

Corneous, of the consistency of horn.

APPENDAGES:

Aril, an accessory covering or appendage of the seed formed by a growth of the funiculus, hilum, or placenta.

Caruncle, an excrescence at the hilum of certain seeds. Ex. Polygala.

Strophole, a cellular growth of the micropyle. Ex. Euphorbia.

Wing, a membranous expansion of the testa. Ex. Trumpet-honeysuckle.

Coma, a tuft of hairs. Ex. Silkweed.

ATTACHMENT :

Sessile; when destitute of seed-stalk.

Funiculate; when supported on a seed-stalk.

ALBUMEN :

QUANTITY.

Such terms as *Scanty*, *Abundant*, *Copious*, etc., are used to express this feature.

TEXTURE.

Farinaceous, mealy; dry and flour-like.

Oily; containing oil. Ex. Poppy.

Fleshy; when it can be easily cut. Ex. Barberry.

Mucilaginous; when it chiefly consists of mucilage

or vegetable jelly. Ex. Morning Glory.

Cartilaginous; when resembling gristle. Ex. Blood-worts.

Corneous; having the texture of horn. Ex. Butter-cup.

Transparent; when it will allow the passage of light. Ex. Broom-rape.

Ruminated; when penetrated with holes or channels. Ex. Custard-apple.

EMBRYO :

FORM.

Slender, Long, Flat, Obovate, Spherical, etc.

SIZE :

Minute, Large; the length compared with the albumen may be expressed thus: $\frac{1}{4}$ Al, $\frac{1}{2}$ Al, $\frac{3}{4}$ Al, etc.

POSITION AS TO ALBUMEN.

Inside; enclosed by the albumen.

Outside; without the albumen.

Apical; at the center.

Eccentric; within, to one side of the center.

Apical-lary; at the apex, within or without.

Basilar; at the base, with or without.

Lateral; without, and on one side.

Peripheric; surrounding the albumen.

CONDITION.

Straight; as in the Cat-tail and Violet.

Curved; turned gradually to one side.

Bent; turned abruptly to one side. Ex. Buckwheat.

Annular; the two ends meeting to form a ring. Ex.

Aramanth.

Coiled; with the ends carried by each other. Ex.

Hoop.

Spiral; coiled like a spring. Ex. Rock-rose.

Convolute; rolled like a scroll. Ex. Indian Soap-

wort.

Conduplicate; like incumbent, but the cotyledons bent so as to enfold the radicle. Ex. Cabbage.

Accumbent; the radicle turned round and applied to

the edges of the cotyledons. Ex. Candy-tuft.

Incumbent; the radicle applied against the back of one of the cotyledons. Ex. False Flax.

RADICLE.

Direction.

Ascending; pointing to the apex of the fruit.

Descending; pointing to the base of the fruit.

Centripetal; pointing to the axis of the fruit.

Centrifugal; pointing to the side of the fruit.

Vague; when it bears no evident or uniform relation of the kind to the pericarp.

Length.

Long, or Short; or when compared with the cotyledons, 1 Ct, $\frac{1}{2}$ Ct, $\frac{1}{3}$ Ct, 2 Ct, etc., for radicle equal, or $\frac{1}{2}$, $\frac{1}{3}$, 2, etc., times the length of the cotyledons.

PLUMULE

Number.

Usually one, but sometimes several, as in the Skunk Cabbage.

Position.

Apical; in the axis between the cotyledons.

Inferior; at the end towards the base of the ovary.

Superior; at the end towards the summit of the ovary.

Lateral; next to one side of the ovary.

Size.

Conspicuous; when large enough to be easily seen with the naked eye.

Inconspicuous; when so small as to require a glass to observe it.

Form.

Foliceous; when it is leaf-like.

Other terms used to describe bodies of a similar

form are applied here.

COTYLEDONS.

Form.

Foliceous; having the form of a leaf.

Sinuate; bent out and in. Ex. Walnut.

Thickened, Thin, Plano-convex, Lobed, Notched,

Linear, Ovate, etc.

Size.

Large, Small; as compared with the size of the seed

Number.

0 ; as in the Dodder.

1 ; as in the Corn, Lily,

2 ; as in the Bean, Oak,

3 ; as in some Pines and accidentally in some Cruciferous plants.

4 ; as in the Hornwort Family.

Many ; as in many of the Conifere.

Texture.

This may be similar to the texture of the albumen.

SPECIMEN PAGE.

GENERAL FEATURES.

Habit.

.....terrestrial
.....aquatic
.....parasitic
.....aerial

Duration

.....annual
.....biennial
.....perennial

Odor

.....
.....
.....
.....

Juice

.....
.....
.....
.....

Root.

.....conical
.....fusiform
.....napiform
.....rhizome
.....solvent
.....fibrous
.....fasciculate
.....aerial

Gen. Char.

.....
.....
.....
.....

STEM.

.....exogenous
.....endogenous
.....nature
.....herbaceous
.....suffrutescent
.....su. r. rose
.....fruticose
.....arborescent
.....arborescent

Dir. of Growth

.....erect
.....erect
.....erect
.....erect

Texture

.....succulent
.....coriaceous
.....fragile
.....sarcous
.....sarcous

Venation.

.....parallel
.....straight
.....curved
.....transverse

Form.

.....pinnate
.....3-nerved
.....5-nerved
.....radiate
.....pinnate

Special Forms

.....suckers
.....stolons
.....offsets
.....runners
.....tendrils
.....thorns

Gen. Char.

.....terete
.....striate
.....grooved
.....4-angled.
.....solid

.....hollow
.....flexuose
.....geniculate
.....tumid joint

Surface

.....
.....
.....
.....

Color

.....
.....
.....
.....

Height

.....
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.....
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Underground

.....rhizoma
.....corn
.....tuber
.....bulb

LEAVES.

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Kinds

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Arrangement

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Along the Axis.

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Gen. Char.

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Duration

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Vernation

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Texture

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Form.

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Special Forms

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Gen. Char.

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.....

.....villous
.....silky
.....wooly
.....velvety

Stiff Hairs

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Petiole

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Form

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End

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Stipules

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Adhesion

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Gen. Character

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Duration

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BRACTS

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Gen. Character

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Form

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Terminal

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Axillary

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.....

Opposite Solitary

.....
.....
.....
.....

Surface

.....
.....
.....
.....

.....un- symmetrical
.....complete
.....perfect
.....ir- regular
.....stipulate
.....pustulate
.....neural

Odor

.....
.....
.....
.....

Plan

.....
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.....
.....

Stalk

.....
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Length

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Height

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Surface

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Form

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Gen. Character

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Duration

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BRACTS

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Gen. Character

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Form

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Terminal

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Axillary

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Opposite Solitary

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Surface

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Gen. Character

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Duration

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Gen. Character

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Duration

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Gen. Character

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Duration

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Gen. Character

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Duration

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Gen. Character

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Duration

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CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
aquatic
parasitic
aerial

Duration

annual
biennial
perennial

Odor

Juice

colorless
colored

Gen. Char.

ROOT.

form

conical

fusiform

napiform

rhizomatous

solvent

fibrous

fasciculate

aerial

Gen. Char.

STEM.

exogenous

endogenous

Nature

herbaceous

succulent

succulent

arborescent

arborescent

erect

decumbent

diffuse

prostrate

creeping

climbing

twining

simple

forkate

erectant

racemose

paniculate

corymbose

diffuse

deliquescent

suckers

stolons

offsets

runners

tendrils

thorns

terete

striate

grooved

angled

solid

hollow

flexuose

geminate

tumid joint

oval

round

ovate

obovate

cuneate

truncate

retuse

emarginate

cordate

aristate

sagittate

lobate

pedate

reniform

claus, ring

comitate

recurved

decumbent

along the axis.

alternately

scattered

resiculate

fasciculate

opposite

verticillate

persistent

deciduous

deciduous

vernation

texture

succulent

coriaceous

rugose

scabrous

venation.

parallel

straight

curved

transverse

netted.

pinnate

3-nerved

5-nerved

radiate

form.

compend.

pinnate

foliate

simple, leaflets

Gen. Outline

filiform

acicular

acrose

subulate

linear

imbricate

oblongate

7

villos

sulky

wooly

velvety

Soft hairs

scabrous

hispid

aculeate

spinous

prickly

Petiole

Form

terete

grooved

compressed

leaf-like

Kind

margined

sheathing

Surface

a. b. c. d.

Stipules

form

a. b. c. d.

Adhesion

free

adnate

clasping

Gen. Character

membranous

foliaceous

spinous

Duration

persistent

deciduous

fugacious

BRACCS

form

a. b. c. d.

Surface

a. b. c. d.

Gen. Character

membranous

petaloidous

spinous

membranous

spinous

INFLORESCENCE

Terminal

solitary

cyme

ascule

glomerule

verticillaster

Axillary

solitary

raceme

corymb

umbel

paniculate

thyrsus

spike

spadix

catan

head

FLOWER.

Kind

symmetrical

complete

perfect

regular

staminate

pistillate

neutral

Color

plan

microns

Stalk

Feetale

Length

Surface

a. b. c.

Petal

Length

Height

Surface

a. b. c.

Involute

form

cup-shaped

acuminate

beak-shaped

cylindrical

conical

ovoid.

Scales

No. of scales

Number

Direction.

appressed

erect

spreading

reflexed

form

a. b. c. d.

Surface

a. b. c.

petaloidous

tonaceous

scarious

spinous

rigid

climby.

Receptacle

form

arm-shaped

concave

flat

cylindrical

elongated

conical

convex

hemispherical

Disc.

hypogynous

perigynous

epigynous

Surround

naked

smooth

punctate

alveolate

bristly

chaffy Texture	Sepals, Petals appressed spreading reflexed	versatile nitrosc extrosc pendulous Form sepals petals Form sepals spurred petals a. b. c. d. a. b. c. d. a. b. c. d.	included exserted	Surface, a. b. c.
Calyx, Corolla amapadous Gampolalous	saucer-shaped cup-shaped campanulate funnel-form salver-form tub-shaped top-shaped tubular ligulate lobate galeate fringed personate spurred inflated saccate	sepal a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Fluorination free-central axillary partial	Gen. Character ribbed grooved turreted
Border truncate entire lobed cleft parted Paprus cup scales awns bristles	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Ovules Orthotropous campylotropous anatropous amphitropous Dir. in Ovary erect ascending horizontal suspended	SEED Number Form oblong ovoid
Polypetal us polytalous illicious cruciformis curryphyllaceous papi-tonaceous anomalous	Insertion hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Dehiscence septicidal loculicidal septicfrugal circumscissile	Attachment sessile funiculate
Enactin deciduous persistent Color calyx corolla calyx calyx ribbed nerved corolla throat	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Kinds Berry pepo pome	Coats Surface, a. b. c.
Polypetal us polytalous illicious cruciformis curryphyllaceous papi-tonaceous anomalous	Insertion hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Embryo Form straight bent rolled	Albumen quantity Texture
Enactin deciduous persistent Color calyx corolla calyx calyx ribbed nerved corolla throat	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Stigma drupe	Position outside inside
Enactin deciduous persistent Color calyx corolla calyx calyx ribbed nerved corolla throat	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Stigma drupe	Direction Length
Enactin deciduous persistent Color calyx corolla calyx calyx ribbed nerved corolla throat	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Stigma drupe	Form Number Position
Enactin deciduous persistent Color calyx corolla calyx calyx ribbed nerved corolla throat	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Stigma drupe	Coriaceous Form
Enactin deciduous persistent Color calyx corolla calyx calyx ribbed nerved corolla throat	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Stigma drupe	Size Number Texture
Enactin deciduous persistent Color calyx corolla calyx calyx ribbed nerved corolla throat	Stamens Position opposite hypogynous epigynous gyna-androus on a disk epipetalous	stamens a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d. a. b. c. d.	Stigma drupe	Texture

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,

Name, { COMMON,

LOCALITY,

DATE,

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CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
aquatic
parasitic
aerial

Duration

annual
biennial
perennial

Odor

juice
odor
gen. char.

Form

conical
fusiform
nupiform
ramose
solvent
fibrous
fasciculate
aerial

Gen. Char.

STEM.

exaggerous
endogenous

Nature

herbaceous
suffrutescent
fruticose
arborescent

Dir. of Growth

erect
ascendant
decumbent
diffuse

prostrate
creeping
climber
twining

Branching

simple
furcate

Special Forms

suckers
stolons
runners
tendrils
thorns

Gen. Char.

terete
grooved
angled
solid

hollow

flexuose

geminate

tumid joint

Surface

a. b. c

Color

Height

Underground

rhizoma

corn

tuber

bulb

LEAVES.

Kinds

sessile

petiolate

stipulate

exstipulate

equitant

Arrangement

On the Stem.

radical

radical

Along the Axis.

alternate.

scattered

rosette

fasciculate

opposite

verticillate

Duration

persistent

deciduous

Vernation

decumbent

erect

ringed

scabrous

venation.

parallel.

straight

curved

transverse

Netted.

pinnate

3-nerved

5-nerved

rudine

Form.

Compound.

pinnate

palinate

lobate

Simple, Leaves.

Gen. Outline

1

2

3

4

5

3 spatulate

9 oblong

10 elliptical

11 oval

12 round

13 ovate

14 obovate

15 cuneate

16

b Base

1 acuminate

2 acute

3 obtuse

4 retuse

5 emarginate

6 cordate

7 auriculate

8 sagittate

9 hastate

10 pelate

11 reniform

12 clasping

13 connate

14 decurrent

15

16

c Apex

1 acuminate

2 acute

3 obtuse

4 truncate

5 retuse

6 emarginate

7 obovate

8 cuspidate

9 mucronate

10 aristate

11

d Morph

1 revolute

2 entire

3 serrate

4 denate

5 crenate

6 repand

7 sinuate

8 imbric

9 fringed

10 ciliate

11 serrulate

12 lobed

13 cleft

14 parted

15 pectinate

16 plicate

17 runcinate

18 divided

19

Surface

a No hairs

1 glabrous

2 glaucous

4 villos

5 silky

6 wooly

7 velvety

8

Saff Hairs

1 scabrous

2 hispid

3 aculeate

4 spinous

5 prickly

6

Petiole

Term

1 grooved

2 compressed

3 leaf-like

4

Kind

1 margined

2 clasping

3 sheathing

4

Surface

a. b. c.

Length.

Stipules

Form

a. b. c. d.

Adhesion

free

1 adnate

2 clasping

3 membranous

4 spinous

5 setaceous

6 persistent

7 deciduous

8 fugacious

9

BRACTS

Form

a. b. c. d.

Surface

a. b. c.

Gen. Character

1 tomentous

2 spinous

3 tomentous

4 petalaceous

5 spinous

6

INFLOR.

CENSE

Terminal

1 solitary

2 raceme

3 corym

4 umbel

5 panicle

6 cymos

7 spadix

..... symmetrical

..... complete

..... perfect

..... regular

..... staminate

..... pistillate

..... neutral

.....

Odor

Plan

Stalk

Feetacle

Length

Surface

a. b. c.

Feetole

Length

Height

Surface

a. b. c.

Involucere

Form

..... rosaceous

..... cup-shaped

..... hemispherical

..... bell-shaped

..... cylindrical

..... conical

..... ovoid

.....

Scales

No. of ribs.

Manub.

Direction

..... erect

..... appressed

..... spreading

..... reflexed

.....

Form

a. b. c. d.

Surface

a. b. c.

Texture

..... petalaceous

..... foliaceous

..... scarious

..... spinous

..... rigid

..... chafly.

.....

Receptacle

Form

..... urn-shaped

..... concave

..... flat

..... cylindrical

..... elongated

..... conical

..... convex

..... hemispherical

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Chaaffy Texture	Septals, Porels appressed spreading reflexed	versatile intorse extorse pendulous	included exserted	Surface, a. b. c.
Calyx-Corolla				Gen. Character
Campanulata	sepalals petals	sagittate petate awned cordate	free-central parietal	grooved furrowed
campanulata	Form			SEED
cup-shaped	sepalals	d.		Number
campanulate	a. b. c.	c.		Form
funnel-form	spurred			oblong
salver-form	petals	d.		ovate
urn-shaped	a. b. c.	d.		ovoid
tubular	Aestivation			Attachment
ligulate	open			sessile
lobate	valvate			funiculate
galeate	reduplicate			Coats
ringent	imbriate			Surface, a. b. c.
personate	convolute			Color
spurred	picate			Texture
imbricated	supervulv.			Appendages
saccate				Number
Border				Form
truncate	Stamens			Color
entire	Number			Texture
lobed	Position			Albumen
cleft	alternate			Quantity
parted	opposite			Texture
Papery	Insertion			Color
cup	hypogynous			Embryo
scales	perigynous			Form
awns	epigynous			Position
bristles	gynandrous			Size
Porte-petal us	on a disk			Position as to Albumen
Polypetalous	epipetalous			outside
rosaceous	Length			inside
liliaceous	long			Radiate
cruciferous	short			Direction
erythrophyllaceous	didynamous			Length
papil. tomaceous	tetradynamous			Plumule
anomalous	Concasion			Number
Duration	adaphous			Position
deciduous	syngonesions			Cotyledons
marcescent	Gen. Features			Form
persistent	included			Size
Color	exserted			Number
calyx	sessile			Position
corolla	connivent			Cotyledons
Surface	Flament			Form
calyx	capillary			Size
ribbed	filiform			Number
nerved	filiform			Texture
corolla	Surface, a. b. c.			
throat	Attachment			
Texture	After			
	Attachment			
	Surface, a. b. c.			
	Gen. Features			

REMARKS:

ORDER:

Nano, { SCIENTIFIC,

LOCALITY, { COMMON,

DATE,

No.

187

CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
 aquatic
 parasitic
 aerial
Duration
 annual
 biennial
 perennial
Odor

Juice

Color
 Taste
 Gen. Char.

ROOT.

Form
 conical
 fusiform
 napiform
 rhizomatous
 solvent
 fibrous
 fasciculate
 aerial

Gen. Char.

STEM.

Structure
 herbaceous
 suffrutescent
 subfruticose
 fruticose
 arborescent
 arborescent
Dir. of Growth
 erect
 assurgent
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining
Branching
 simple
 furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse

Special forms

suckers
 stolons
 offsets
 runners
 tendrils
 thorns
Gen. Char.
 terete
 striate
 grooved
 angled
 solid

8 spatulate
 9 obovate
 10 elliptical
 11 oval
 12 round
 13 ovate
 14 obovate
 15 cuneate
 16 linear
 17 coriaceous
 18 coriaceous
 19 tubular
 20 bulbous
 21 sessile
 22 petiolate
 23 stipitate
 24 exstipitate
 25 equitant
 26 ligulate
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 1014 ovate
 1015 elliptical
 1016 round
 1017 ovate
 1018 obovate
 1019 cuneate
 1020 linear

CHECK TABLE.

GENERAL FEATURES.

Habit.

.....terrestrial

.....aquatic

.....parasitic

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

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.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....terrestrial

.....hollow

.....flexuose

.....onlong

.....elliptical

.....oval

.....round

.....ovate

.....obovate

.....cuneate

.....b

.....Base

.....acuminate

.....acute

.....obuse

.....truncate

.....retruse

.....emarginate

.....cordate

.....auriculate

.....sagittate

.....hastate

.....peltate

.....reniform

.....claspine

.....connate

.....decurrent

.....c

.....Apex

.....acuminate

.....acute

.....obuse

.....truncate

.....retruse

.....emarginate

.....obcordate

.....cuspidate

.....macronate

.....aristate

.....d

.....Morph

.....revolute

.....entire

.....serrate

.....dentate

.....crenate

.....repand

.....sinuate

.....fringed

.....ciliate

.....serriulate

.....lobed

.....cleft

.....parted

.....pectinate

.....lyrate

.....runcate

.....divided

.....s

.....Surface

.....No hairs

.....glabrous

.....glaucous

.....punctate

.....spatulate

.....onlong

.....elliptical

.....oval

.....round

.....ovate

.....obovate

.....cuneate

.....b

.....Base

.....acuminate

.....acute

.....obuse

.....truncate

.....retruse

.....emarginate

.....cordate

.....auriculate

.....sagittate

.....hastate

.....peltate

.....reniform

.....claspine

.....connate

.....decurrent

.....c

.....Apex

.....acuminate

.....acute

.....obuse

.....truncate

.....retruse

.....emarginate

.....obcordate

.....cuspidate

.....macronate

.....aristate

.....d

.....Morph

.....revolute

.....entire

.....serrate

.....dentate

.....crenate

.....repand

.....sinuate

.....fringed

.....ciliate

.....serriulate

.....lobed

.....cleft

.....parted

.....pectinate

.....lyrate

.....runcate

.....divided

.....s

.....Surface

.....No hairs

.....glabrous

.....glaucous

.....punctate

.....verrucose

.....villous

.....sulky

.....wooly

.....velvety

.....Stiff Hairs

.....scabrous

.....hispid

.....spinulose

.....prickly

.....Petiole

.....Form

.....terete

.....grooved

.....compressed

.....leaf-like

.....Kind

.....marginied

.....claspine

.....sheathing

.....Surface

.....a. b. c. d.

.....Length

.....Stipules

.....Form

.....a. b. c. d.

.....Adhesion

.....free

.....acuminate

.....claspine

.....membranous

.....foliaceous

.....spinous

.....stipaceous

.....Duration

.....persistent

.....deciduous

.....fugacious

.....BRACCTS

.....Form

.....a. b. c. d.

.....Surface

.....a. b. c. d.

.....Gen. Character

.....foliaceous

.....petalaceous

.....membranous

.....spinous

.....INFLORESCENCE

.....Terminal

.....solitary

.....cyme

.....fascicle

.....gomerule

.....verticillaster

.....Axillary

.....solitary

.....raceme

.....corymb

.....umbel

.....panicle

.....thyrsus

.....spike

.....catkin

.....symmetrical

.....complete

.....perfect

.....regular

.....staminate

.....neutral

.....Odor

.....plan

.....microous

.....Stalk

.....scandulo

.....Length

.....a. b. c. d.

.....Surface

.....Length

.....Height

.....Surface

.....a. b. c. d.

.....involute

.....form

.....rosaceous

.....cup-shaped

.....hemispherical

.....bell-shaped

.....cyathoid

.....conical

.....ovoid

.....Scales

.....No. of rows

.....Number

.....Direction

.....erect

.....appressed

.....spreading

.....relaxed

.....Form

.....a. b. c. d.

.....Surface

.....a. b. c. d.

.....petaloidous

.....foliaceous

.....scarious

.....spinous

.....rigid

.....chilly

.....Receptacle

.....Form

.....urn-shaped

.....concave

.....flat

.....cylindrical

.....elongated

.....conical

.....convex

.....hemispherical

.....Disk

CHECK TABLET.

GENERAL FEATURES. Habit.	terrestrial	4	villous	complete	symmetrical
	aquatic	5	sulky	perfect	
Duration	parasitic	6	wooly	regular	
	aerial	7	velvety	staminate	
Color	a. b. c	8	ovate	stipitate	neutral
	Height	9	obovate	secourous	
Underground	rhizom	10	enuncate	hispid	
	corn	11	round	spinos	
Odor	tuber	12	acuminate	prickly	
	bulb	13	acut		
Juice	LEAVES.	14	obtus	reticulate	
	Kinds	15	truncate	terete	
Gen. Char.	sessile	16	retuse	grooved	
	p. sessile	17	emarginate	compressed	
ROOT.	stipulate	18	cordate	leaf-like	
	exquant	19	auriculate	margined	
Form	erect	20	hastate	clasp	
	fastiform	21	pelate	sheathing	
Gen. Char.	ramose	22	reniform	scabrous	
	solvent	23	clasp	cup-shaped	
ature	fibrous	24	connate	hemispherical	
	fasciculate	25	decurrent	bell-shaped	
Dir. of Growth	terminal	26		cyindrical	
	erect	27		conical	
STEM.	exogenous	28		ovoid	
	endogenous	29			
ature	herbaceous	30			
	suffrutescent	31			
Dir. of Growth	fruticose	32			
	arborescent	33			
Gen. Char.	decumbent	34			
	prostrate	35			
Branching	creeping	36			
	climbing	37			
Simple	twining	38			
	simple	39			
furcate	excurret	40			
	racemose	41			
paniculate	corymbose	42			
	diffuse	43			
Special Forms	deliquescent	44			
	succulent	45			
Simple	obovate	46			
	truncatis	47			
Gen. Char.	thom	48			
	terete	49			
striate	grooved	50			
	angled	51			
solid	solid	52			

CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
 aquatic
 parasitic
 aerial
 annual
 biennial
 per-ennial

Duration

Color
 Taste
 Gen. Char.

ROOT.

Form
 conical
 fusiform
 napiform
 runose
 solvent
 fibrous
 fasciculate
 aerial

Gen. Char.

STEM.

exogenous
 endogenous
 herbaceous
 suffrutescent
 fruticose
 arborescent
 arborescent
 Dir. of Growth

Dir. of Growth

erect
 assurgent
 decumbent
 diffuse
 prostrate
 creeping
 climbing
 twining
 simple
 simple
 furcate
 excurrent
 racemose
 paniculate
 corymbose
 diffuse

Branching

deliquescent
 succers
 solons
 offsets
 runners
 tendrils
 thorns
 Gen. Char.
 terete
 striate
 grooved
 angled
 solid

Special Forms

suckers
 solons
 offsets
 runners
 tendrils
 thorns
 Gen. Char.
 terete
 striate
 grooved
 angled
 solid

hollow
 flexuose
 granulate
 funid joint

Surface

a. b. c
 Color
 Height
 Underground
 rhizoma
 corn
 tuber
 bulb
 Kinds
 sessile
 petiolate
 stipulate
 exstipulate
 equitant

Arrangement

On the Stem.
 cauline
 radical
 Along the Axis.
 alternate
 scattered
 rosulate
 fasciculate
 opposite
 verticillate
 persistent
 deciduous
 Vernation
 succulent
 coriaceous
 rugose
 s. o. u. s
 Venation.
 parallel
 straight
 curved
 transverse
 Netted
 pinnate
 3-nerved
 5-nerved
 radiate
 Form.
 Compound.
 pinnate
 palmate
 lobate

Simple, Leaves

a Gen. Outline
 filiform
 acicular
 acrose
 subulate
 linear
 lanceolate
 lanceolate
 1
 2
 3

Surface

a No Hairs
 glabrous
 glaucous
 punctate
 verrucose
 Soft Hairs
 puberulent
 pilosus
 pubescent

Margin

revolute
 entire
 serrate
 denate
 crenate
 repand
 sinuate
 incised
 fringed
 ciliate
 serrulate
 lobed
 cleft
 parted
 pectinate
 lyrate
 runcinate
 divided
 1
 2
 3

Apex

acuminate
 acute
 obtuse
 truncate
 retuse
 emarginate
 obovate
 capitate
 mucronate
 aristate
 1
 2
 3

Gen. Character

membranous
 foliaceous
 spinous
 scabrous
 persistent
 deciduous
 fugacious
 a. b. c. d.
 Surface.
 ven. Character
 foliaceous
 petiolaceous
 membranous
 spinous
 INFLORESCENCE-TERMINAL
 solitary
 cymic
 fascicle
 glomerule
 verticillaster
 Axillary
 solitary
 racemic
 corymb
 umbel
 panicle
 thyrsus
 spike
 spadix
 catkin
 head
 FLOWER Kinds
 pubescent

Stipules

a. b. c. d.
 Achen
 free
 clasping
 membranous
 foliaceous
 spinous
 scabrous
 persistent
 deciduous
 fugacious
 a. b. c. d.
 Surface.
 ven. Character
 foliaceous
 petiolaceous
 membranous
 spinous
 INFLORESCENCE-TERMINAL
 solitary
 cymic
 fascicle
 glomerule
 verticillaster
 Axillary
 solitary
 racemic
 corymb
 umbel
 panicle
 thyrsus
 spike
 spadix
 catkin
 head
 FLOWER Kinds
 pubescent

symmetrical
 complete
 perfect
 regular
 stipulate
 neutral

Odor

Stalk
 Pedicel
 Length
 Surface.
 Length
 Height
 Surface.
 Involute
 form
 rosaceous
 cup-shaped
 hemispherical
 bell-shaped
 cylindrical
 conical
 ovoid
 Scales
 No. of rows
 Number
 Direction.
 erect
 spreading
 reflexed
 form.
 Surface.
 Tegare
 pinnaceous
 lobaceous
 spinous
 rigid
 chaffy

Receptacle

form
 urn-shaped
 concave
 flat
 cylindrical
 elongated
 conical
 convex
 hemispherical
 Disk.
 polygynous
 perigynous
 epigynous
 Surface
 naked
 smooth
 punctate
 alveolate
 bristly

Stipules

a. b. c. d.
 Achen
 free
 clasping
 membranous
 foliaceous
 spinous
 scabrous
 persistent
 deciduous
 fugacious
 a. b. c. d.
 Surface.
 ven. Character
 foliaceous
 petiolaceous
 membranous
 spinous
 INFLORESCENCE-TERMINAL
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Stipules

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 catkin
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 FLOWER Kinds
 pubescent

Stipules

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 Surface.
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 catkin
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 FLOWER Kinds
 pubescent

Stipules

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 a. b. c. d.
 Surface.
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 FLOWER Kinds
 pubescent

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 catkin
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 FLOWER Kinds
 pubescent

Stipules

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 Achen
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 scabrous
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 Surface.
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 INFLORESCENCE-TERMINAL
 solitary
 cymic
 fascicle
 glomerule
 verticillaster
 Axillary
 solitary
 racemic
 corymb
 umbel
 panicle
 thyrsus
 spike
 spadix
 catkin
 head
 FLOWER Kinds
 pubescent

CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial 3
aquatic 4
parasitic 5
aerial 6
annual 7
biennial 8
perennial 9

Duration

perennial 1
annual 2
biennial 3
perennial 4

Odor

fragrant 1
faint 2
strong 3
faint 4
strong 5
faint 6
strong 7
faint 8
strong 9

Juice

colorless 1
colored 2
white 3
yellow 4
red 5
green 6
blue 7
purple 8
brown 9

Gen. Char.

conical 1
cylindrical 2
obovate 3
oblong 4
triangular 5
rhomboid 6
square 7
rectangular 8
irregular 9

Form

simple 1
compound 2
simple 3
compound 4
simple 5
compound 6
simple 7
compound 8
simple 9

Stem.

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

Dir. of Growth

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

Special Forms

suckers 1
stolons 2
offsets 3
runners 4
tendrils 5
thorns 6
Gen. Char. 7
terete 8
striate 9
grooved 10
angled 11
solid 12

Surface

hollow 1
flexuose 2
guttulate 3
tubid joint 4
Surface 5
Color 6
Height 7
Underground 8
Mazoma 9

Color

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Leaves.

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Arrangemen

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Duration

perennial 1
annual 2
biennial 3
perennial 4
annual 5
biennial 6
perennial 7
annual 8
biennial 9

Vernation

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

Texture

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

Venation.

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

Form.

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

Stipules

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Petiole

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Kind

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Surface

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Gen. Character

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Duration

perennial 1
annual 2
biennial 3
perennial 4
annual 5
biennial 6
perennial 7
annual 8
biennial 9

BRACCTS

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

INFLOR.

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

FLOWER.

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

symmetrical

complete 1
regular 2
stipulate 3
neutral 4
..... 5
..... 6
..... 7
..... 8
..... 9

Odor

fragrant 1
faint 2
strong 3
faint 4
strong 5
faint 6
strong 7
faint 8
strong 9

Plan

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Stalk

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Length

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Surface

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Gen. Char.

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Kind

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Height

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Form

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Stalk

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Length

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Surface

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Gen. Char.

sessile 1
p. toliate 2
stipulate 3
exstipulate 4
equitant 5
Arrangemen 6
On the stem 7
radial 8
Along the axis 9

Duration

perennial 1
annual 2
biennial 3
perennial 4
annual 5
biennial 6
perennial 7
annual 8
biennial 9

BRACCTS

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

INFLOR.

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

FLOWER.

erect 1
decumbent 2
prostrate 3
creeping 4
climbing 5
twining 6
simple 7
simple 8
simple 9

CHECK TABLE.

GENERAL FEATURES.

Habit.

1	terrestrial	 hollow	8	spatulate	 villous	4	 symmetrical
2	aquatic	 flexuose	9	oblong	 silky	5	 complete
3	terrestrial	 geniculate	10	elliptical	 woolly	6	 perfect
4	parasitic	 tumid joint	11	oval	 velvety	7	 regular
5	.....	.....	12	round	.....	8	 staminate
6	.....	.....	13	ovate	.....	9	 pistillate
7	.....	.....	14	obovate	.....	10	 neutral

Duration

1	annual	.....	11	.....	.....	21	.....
2	biennial	.....	12	.....	.....	22	.....
3	perennial	.....	13	.....	.....	23	.....

Odor

Juice

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Form

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Gen. Char.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Stem.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Nature

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Dir. of Growth

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Gen. Char.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Color.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Height.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Underground

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

LEAVES.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Arrangement

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Duration

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Vernation

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Texture

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Venation.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Form.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Special Forms

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Stipules

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Bracts

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Inflorescence

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Receptacle

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Flower.

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Stamens

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Pistil

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Seed

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Special Forms

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Stamens

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

Pistil

1	.....	.....	11	.....	.....	21	.....
2	.....	.....	12	.....	.....	22	.....
3	.....	.....	13	.....	.....	23	.....

CHECK TABLE.

GENERAL FEATURES.

Habit.

.....terrestrial
.....aquatic
.....parasitic
.....aerial
Duration
.....annual
.....biennial
.....perennial

Odor

Juice

Color

Taste.

Gen. Char.

ROOT.

Form

.....conical
.....fusiform
.....napiform
.....ramose
.....solvent
.....fibrous
.....fasciculate
.....aerial

Gen. Char.

STEM.

.....exogenous
.....endogenous
Nature
.....herbaceous
.....suffrutescent
.....suffruticose
.....fruticose
.....arborescent
.....arbores

Dir. of Growth

.....erect
.....ascending
.....decumbent
.....diffuse
.....prostrate
.....creeping
.....climbing
.....twining

Branching

.....simple
.....stipitate
.....furcate
.....excurrent
.....racemose
.....paniculate
.....cymbose
.....diffuse
.....deliquescent

Special Forms

.....suckers
.....stolons
.....offsets
.....runners
.....tendrils
.....thorns
Gen. Char.
.....terete
.....striate
.....grooved
.....angled
.....solid

.....hollow
.....flexuose
.....geminate
.....humid joint

Surface

.....a. b. c.
.....obovate
.....cuneate
.....b
.....acuminate
.....acute
.....obtuse
.....truncate
.....retuse
.....emarginate
.....cordate
.....auriculate
.....sagittate
.....hastate
.....petate
.....reniform
.....clausp
.....comate
.....decurrent
.....fasciculate

Color

Height

Underground

Leaves.

Kinds

On the Stem.

Arrangement

Along the Axis.

Apex

Margin

Revolute

Entire

Serrate

Dentate

Crenate

Reperand

Incised

Fringed

Ciliate

Lobed

Cleft

Parted

Pectinate

Triclate

Tricuneate

Divided

Surface

No hairs

Plabrous

Glaucous

Pubescent

Verrucose

Scit hairs

Puberulent

Pilose

Pubescent

.....villous
.....suky
.....wooly
.....velvety

Stiff Hairs

.....scariosus
.....hispid
.....spinous
.....prickly

Petiole

Form

Grooved

Compressed

Leaf-like

Kind

Margined

Clasping

Shedding

Surface

Stipules

Form

Adhesion

Free

Adnate

Clasping

Membranous

Foliateous

Spinous

Succreous

Persistent

Deciduous

Tugacious

Form

Surface

Gen. Character

Membranous

Foliateous

Spinous

Membranous

Spinous

Form

Terminal

Solitary

Cyme

Fascicle

Glomerule

Verticillaster

Axillary

Spiratory

Ricene

Corymb

Unimod

Paucate

Thyrus

Spice

Spadic

Catan

Head

Flower

Kinds

.....symmetrical
.....complete
.....perfect
.....regular
.....staminate
.....pistillate
.....neutral

Odor

plan

Stalk

peduncle

Surface

Length

Pedice

Scapo

Height

Surface

Involute

Form

rosaceous

cup-shaped

hemispherical

bell-shaped

cylindrical

conical

ovoid

Scutes

No. of ribs

Direction

erect

appressed

spreading

reflexed

Form

Surface

Form

peauituous

foliateous

scariosus

spinous

rigid

chanry

Receptacle

Form

urn-shaped

concave

flat

cylindrical

elongated

conical

convex

hemispherical

Disk

anypagynous

pergynous

epigynous

Surface

naked

smooth

pubescent

alveolate

bristly

CHECK TABLE.

GENERAL FEATURES.

Habit.

-terrestrial
-aquatic
-parasitic
-aerial

Duration

-annual
-biennial
-perennial

Odor

Juice

-color
-Gen. Char.

ROOT.

Form.

-conical
-fusiform
-napiform
-ramose
-solvent
-fibrous
-fasciculate
-aerial

Gen. Char.

STEM.

-exogenous
-endogenous

Nature

-herbaceous
-suffrutescent
-fruticose
-arborescent
-arbores

Dir. of Growth

-erect
-ascending
-decumbent
-diffuse
-prostrate
-creeping
-climbing
-twining

Branching

-simple
-simple
-excurret
-racemose
-paniculate
-corymbose
-diffuse

Special Forms

-suckers
-onsets
-runners
-tendrils
-thorns

Gen. Char.

-teretic
-striate
-grooved
-angled
-solid

-hollow
-flexuose
-genuiculate
-tumid joint

Surface

-D. C.
-ovate
-obovate
-cuneate

Color

Height

Underground

-corm
-rhizoma

LEAVES.

Kinds

-sessile
-petiolate
-stipulate
-equitant

Arrangement

-On the Stem.
-cauline
-radical
-ramical

Along the Axis.

-alternate
-scattered
-rosette
-fasciculate
-opposite
-verticillate

Duration

-persistent
-dichotomous

Vernation

Texture

-succulent
-coriaceous
-rugose

Venation.

-straight
-curved
-transverse

Noted.

-pinnate
-3-nerved
-5-nerved
-radiate

Form.

-Compound.
-pinnate
-pinnate
-foliate

Simple, Leaflets

Gen. Outline

-filiform
-acticular
-acrose
-subulate
-linear
-lanceolate
-oblanccolate

-4 villous
-5 silky
-6 wooly
-7 velvety
-8

Soft Hairs

-scarcous
-hispid
-spinous
-prickly

Odor

Plan

Stalk

Length

-terete
-grooved
-compressed
-leaf-like

Kind

-margined
-clasping
-sheathing

Surface

-a. b. c. d.

Stipules

form

-a. b. c. d.

Attachment

-adnate
-claspig
-membranous
-foliaceous
-spinous
-staccous
-persistent
-deciduous
-ligulate

BRACTS

form

-a. b. c. d.

Surface

-a. b. c. d.

Gen. Character

-coriaceous
-petaloidous
-membranous
-spinous

INFLORESCENCE

Receptacle

form

-urn-shaped
-concave
-flat
-cylindrical
-elongated
-verucilaster

Axillary

Subsidiary

-raceme
-corymb
-umbel
-panicle
-thyrsus
-spike
-spadix
-catium
-head

FLOWER

Kinds

-pubescent
-pilosus
-puberulent
-No hairs
-glabrous
-glaucous
-punctate
-verrucose
-Soft Hairs
-pubescent
-pilosus
-pubescent

-symmetrical
-complete
-perfect
-regular
-staminate
-pistillate
-neutral

Odor

Plan

Stalk

Length

-a. b. c. d.

Pedicle

Length

-a. b. c. d.

Height

Surface

-a. b. c. d.

Involute

-rosaceous
-cup-shaped
-hemispherical
-bell-shaped
-cylindrical
-conical
-ovoid

No. of roots

Direction.

-appressed
-erect
-spreading
-reflexed

form

-a. b. c. d.

Surface

-a. b. c. d.

petaloidous

foliaceous

spinous

rigid

clavary.

CHECK TABLE.

GENERAL FEATURES

Habit.

.....terrestrial
.....aquatic
.....parasitic
.....aerial

Duration

.....biennial
.....perennial

Odor

Juice

.....color
.....taste
.....gen. char.

ROOT.

Form

.....conical
.....fusiform
.....napiform
.....ramose
.....solvent
.....fibrous
.....fasciculate
.....aerial

Gen. Char.

STEM.

.....exogenous
.....endogenous

Nature

.....herbaceous
.....suffrutescent
.....suffruticose
.....fruticose
.....arborescent

Dir. of Growth

.....erect
.....assurgent
.....decumbent
.....procumbent
.....creeping
.....climbing
.....twining
.....twinning

Branching

.....simple
.....simple
.....furcate

Special Forms

.....occurrent
.....racemose
.....paniculate
.....pyrambose
.....diffuse
.....deliquescent

Special Forms

.....suckers
.....stolons
.....offsets
.....runners
.....tendrils
.....thorns

Gen. Char.

.....terete
.....stratiate
.....grooved
.....angled
.....solid

.....hollow
.....flexuose
.....genuclate
.....humid joint

Surface

.....spiculate
.....oblong
.....elliptical
.....oval

Color

.....obovate
.....cuneate

Height

.....acuminate
.....acute
.....obtuse
.....truncate

Underground

.....sessile
.....stipitate
.....exstipitate
.....equitant

Arrangement

.....On the stem.
.....cauline
.....radical
.....runcal

Along the Axis.

.....alternate
.....scattered
.....rosculate
.....fasciculate
.....opposite
.....verticillate

Duration

.....persistent
.....deciduous

Vernation

.....aculeant
.....concomitant
.....triglose
.....oblique

Venation.

.....straight
.....curved
.....transverse

Noted.

.....pinnate
.....3-nerved
.....5-nerved
.....radiate
.....reticulate
.....netted

Form.

.....pinnate
.....palmate
.....foliate

Simple, Leaves

.....Gen. Outline
.....filiform
.....acicular
.....acrose
.....subulate
.....linear
.....lanceolate

Soft Hairs

.....puberulent
.....pilosus
.....pubescent

.....villous
.....silty
.....wooly
.....velvety

Soft Hairs

.....scabrous
.....hispid
.....spinous
.....prickly

Petiole

.....terete
.....grooved
.....compressed
.....leaf-like

Kind

.....margined
.....clasping
.....sheathing
.....reticulate

Surface

.....a. b. c. d.
.....e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Stipules

.....Form
.....a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Adhesion

.....adnate
.....clasp
.....membranous
.....foliaceous

Duration

.....persistent
.....deciduous
.....lignaceous

BRACTS

.....a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Gen. Character

.....petalaceous
.....membranous
.....spinous
.....staccaceous

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

.....hypogynous
.....perigynous
.....epigynous
.....Surface

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

Receptacle

.....turn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....hemispherical
.....Disk.

..... chafy Texture	 Dorsal, Petals spreading reflexed sepals petals Form rotate saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate lobate galeate ringent perispermite spurred tubilated succate	 Stamens Position opposite Insertion hypogynous perigynous epigynous gynandrous on a disk Epipetalous Length long short didynamous tetradynamous adelphous svngenesious Gen. Features included exserted sessile connivent Filament Form capillary filiform Surface, a. b. c. 2. Anther Attachment imbricate adnate	 No. of Cells Pollen Pellinia Pistil Kind closed open Cohesion simple multiple compound Number Stigma Position terminal lateral sessile Term discoid globose lobed filiform linear Style Form filiform branched decimate Position terminal lateral basilar Number Surface, a. b. c. Ovary Adhesion superior half-superior inferior No. of Cells Term Surface, a. b. c. Gen. Features	 Flaccidation free-central axillary parietal Ovules Kind orthotropous campylotropous anatropous amphitropous Dir. in Ovary erect ascending horizontal pendulous Number suspended FRUIT Dehiscence septicidal loculicidal septicidal circumscissile Kinds Flecky berry pepo pome Stone drupe Dry achenium utricle samara follicle legume capsule silique siliole pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous cortaceous succulent	 Surface, d. b. c. Gen. Character ribbed furrowed SEED Number oblong ovate ovoid Attachment sessile funiculate Coats Surface, d. b. c. Color Texture Appendages aril caruncle strophole wing coma Albumen quantity Texture Color Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Plumule Number Position Corymbous Form Size Number Texture
------------------------	--	--	---	--	--

REMARKS:

ORDER :

Name, } SCIENTIFIC,

} COMMON,

LOCALITY,

DATE,

No.

..... chafy Texture	 Sepals, Petals apressed spreading reflexed sepals petals Form a. b. c. d. e. d. spurred petals a. b. c. d. e. d. Aestivation open valvate induplicate reduplicate imbricate contorted convolute plicate supervol. b. Stamens Number Position alternate opposite Insertion hypogynous perigynous epigynous gynandrium on a disk epipetalous Length long short didynamous tetradynamous Coecion adelphous synergonesious Gen. Features included exserted sessile connivent Filament Form capillary filiform Surface, a. b. c. d. 2. Anther Attachment innate adnate	 versatile introrse pendulous Form sagittate peltate ovate cordate lobed Dehiscence lateral Pollen Pollinia Pistil closed open Obovate simple multiple compound Number Number Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form filiform branched decimate Position terminal lateral basilar Number Surface, a. b. c. e. Ovary Adhesion superior half-superior interior No. of Cells Form Surface, a. b. c. e. Gen. Features	 included exserted Placentation free-central axillary parietal Ovules And orthotropous campylotropous anatropous ovate amphitropous Dir. in Ovary erect ascending horizontal pendulous Number Dehiscence septicidal loculicidal septifragal circumscissile Kinds Fleecy berry pepo pome Stone drupe Dry achenium utricle samara follicle legume capsule silique silicle pysis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	 Surface, a. b. c. e. Gen. Character ribbed grooved furrowed SEED Number oblong obovate ovoid Attachment sessile funiculate Coats Surface, a. b. c. e. Color Texture Appendages nall caruncle strophole wing coma Albumen quantity Texture Color Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Plumule Position Cotyledons Form Size Number Texture
Calyx- Corolla Gamopetalous Gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate bilabiate galeate ringent personate spurred inflated succate Border truncate entire lobed cleft parted Pappus cup scales awns bristles Polypetal us Polypetalous rosaceous lilaceous long cruciferous carapophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat Texture				

REMARKS:

ORDER:

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

DATE,

CHECK TABLET.

GENERAL FEATURES. Habit.	terrestrial	8	spatulate	4	villous	symmetrical
	aquatic	9	oblong	5	sulky	complete
Surface	terrestrial	10	elliptical	6	wooly	perfect
	aquatic	11	oval	7	velvety	regular
Color	terrestrial	12	round	8	Stiff hairs	staminate
	aquatic	13	obovate	9	scabrous	plisfilate
Height	terrestrial	14	obovate	10	hispid	neutra
	aquatic	15	cuneate	11	acuminate	
Underground	terrestrial	16	caudex	12	spinous	
	aquatic	17	caudex	13	prickly	
Odor	terrestrial	18	acuminate	14	Petiole	
	aquatic	19	acuminate	15	Form	
LEAVES.	terrestrial	20	obovate	16	Length	
	aquatic	21	obovate	17	Surface	
Kinds	terrestrial	22	obovate	18	Length	
	aquatic	23	obovate	19	Height	
Arrangement	terrestrial	24	obovate	20	Surface	
	aquatic	25	obovate	21	Height	
On the Stem.	terrestrial	26	obovate	22	Surface	
	aquatic	27	obovate	23	Height	
Along the Axis.	terrestrial	28	obovate	24	Surface	
	aquatic	29	obovate	25	Height	
Gen. Char.	terrestrial	30	obovate	26	Surface	
	aquatic	31	obovate	27	Height	
STEM.	terrestrial	32	obovate	28	Surface	
	aquatic	33	obovate	29	Height	
Nature	terrestrial	34	obovate	30	Surface	
	aquatic	35	obovate	31	Height	
Dir. of Growth	terrestrial	36	obovate	32	Surface	
	aquatic	37	obovate	33	Height	
Vernation	terrestrial	38	obovate	34	Surface	
	aquatic	39	obovate	35	Height	
Texture	terrestrial	40	obovate	36	Surface	
	aquatic	41	obovate	37	Height	
Venation.	terrestrial	42	obovate	38	Surface	
	aquatic	43	obovate	39	Height	
Branching	terrestrial	44	obovate	40	Surface	
	aquatic	45	obovate	41	Height	
Form.	terrestrial	46	obovate	42	Surface	
	aquatic	47	obovate	43	Height	
Special forms	terrestrial	48	obovate	44	Surface	
	aquatic	49	obovate	45	Height	
Gen. Char.	terrestrial	50	obovate	46	Surface	
	aquatic	51	obovate	47	Height	

CHECK TABLET.

GENERAL FEATURES. Habit.	 hollow	8	 spatulate	4	 villous	 symmetrical
	 flexuose	9	 oblong	5	 silky	 complete
	 geniculate	10	 elliptical	6	 woolly	 perfect
	 tumid joint	11	 oval	7	 velvety	 scabrate
	Surface a. c	12	 round	8	Stiff hairs	 pustulate
		13	 ovate	1		 neutral
	Color Height	14	 obovate	2	 scabrous	
		15	 cuneate	3	 hispid	
	Underground rhizoma	16		4	 spinous	
		17		5	 prickly	
Odor	b	18	 acuminate	6	Petiole	Stalk
	19	 acute	7			
Juice Color	 tuber	20	 obtuse	8	Peduncle	Stalk
	21	 truncate	9			
Form	 sessile	22	 retuse	10	Pedicle	Stalk
	23	 emarginate	11			
Gen. Char.	 stipulate	24	 cordate	12	Kind	Stalk
	25	 auriculate	13			
ROOT.	 equitant	26	 hastate	14	Length	Stalk
	27	 peltate	15			
Arrangement On the Stem.	28	 reniform	16	Surface	Stalk	
	29	 clasping	17			
Along the Axis.	30	 connate	18	Stipules	Stalk	
	31	 decurrent	19			
Gen. Char.	 alternate,	32		Gen. Character	Stalk	
	33	 scattered	20			
STEM.	 rostrate	34	 acuminate	Direction	Stalk	
	35	 fasciculate	21			
nature	 opposite	36	 obtuse	Duration	Stalk	
	37	 verticillate	22			
Duration	 persistent	38	 emarginate	macronate	Stalk	
	39	 deciduous	23			
Vernation		40	 aristate	BRACTS	Stalk	
	41	.....	24			
Texture	d	42	 revolute	Form	Stalk	
	43	 entire	25			
Gen. Char.	 rugose	44	 serrate	Gen. Character	Stalk	
	45	 dentate	26			
Vernation.	 straight	46	 cruminate	petalodiscous	Stalk	
	47	 curved	27			
Branching	 transverse	48	 sinuate	spinosus	Stalk	
	49	.....	28			
Form.	 pinnate	50	 fringed	Receptacle	Stalk	
	51	 ciliate	29			
Special Forms	 3-nerved	52	 serrulate	Terminal	Stalk	
	53	 5-nerved	30			
Gen. Char.	 radiate	54	 cleft	Form	Stalk	
	55	.....	31			
Form.	 pinnate	56	 parted	glomerule	Stalk	
	57	.....	32			
Special Forms	 diffuse	58	 pectinate	verruculifer		
	59	.....	33			
Gen. Char.	 pinnate	60	 lyrate	Axillary	Stalk	
	61	.....	34			
Special Forms	 succulent	62	 divided	Form	Stalk	
	63	.....	35			
Gen. Char.	 palmate	64		Surface	Stalk	
	65	 foliate	36			
Special Forms	 runners	66		No hairs	Stalk	
	67	.....	37			
Gen. Char.	 thorns	68	 glaucous	Soft hairs	Stalk	
	69	.....	38			
Gen. Char.	 terete	70	 punctate	pubescent	Stalk	
	71	.....	39			
Gen. Char.	 striate	72	 verrucose	pubescent	Stalk	
	73	.....	40			
Gen. Char.	 grooved	74	 linear	pubescent	Stalk	
	75	 angled.	41			
Gen. Char.	 solid	76	 lanceolate	pubescent	Stalk	
	77	.....	42			
Gen. Char.		78		pubescent	Stalk	
	79	.....	43			
Gen. Char.		80		pubescent	Stalk	
	81	.....	44			
Gen. Char.		82		pubescent	Stalk	
	83	.....	45			
Gen. Char.		84		pubescent	Stalk	
	85	.....	46			
Gen. Char.		86		pubescent	Stalk	
	87	.....	47			
Gen. Char.		88		pubescent	Stalk	
	89	.....	48			
Gen. Char.		90		pubescent	Stalk	
	91	.....	49			
Gen. Char.		92		pubescent	Stalk	
	93	.....	50			
Gen. Char.		94		pubescent	Stalk	
	95	.....	51			
Gen. Char.		96		pubescent	Stalk	
	97	.....	52			
Gen. Char.		98		pubescent	Stalk	
	99	.....	53			
Gen. Char.		100		pubescent	Stalk	
	101	.....	54			
Gen. Char.		102		pubescent	Stalk	
	103	.....	55			
Gen. Char.		104		pubescent	Stalk	
	105	.....	56			
Gen. Char.		106		pubescent	Stalk	
	107	.....	57			
Gen. Char.		108		pubescent	Stalk	
	109	.....	58			
Gen. Char.		110		pubescent	Stalk	
	111	.....	59			
Gen. Char.		112		pubescent	Stalk	
	113	.....	60			
Gen. Char.		114		pubescent	Stalk	
	115	.....	61			
Gen. Char.		116		pubescent	Stalk	
	117	.....	62			
Gen. Char.		118		pubescent	Stalk	
	119	.....	63			
Gen. Char.		120		pubescent	Stalk	
	121	.....	64			
Gen. Char.		122		pubescent	Stalk	
	123	.....	65			
Gen. Char.		124		pubescent	Stalk	
	125	.....	66			
Gen. Char.		126		pubescent	Stalk	
	127	.....	67			
Gen. Char.		128		pubescent	Stalk	
	129	.....	68			
Gen. Char.		130		pubescent	Stalk	
	131	.....	69			
Gen. Char.		132		pubescent	Stalk	
	133	.....	70			
Gen. Char.		134		pubescent	Stalk	
	135	.....	71			
Gen. Char.		136		pubescent	Stalk	
	137	.....	72			
Gen. Char.		138		pubescent	Stalk	
	139	.....	73			
Gen. Char.		140		pubescent	Stalk	
	141	.....	74			
Gen. Char.		142		pubescent	Stalk	
	143	.....	75			
Gen. Char.		144		pubescent	Stalk	
	145	.....	76			
Gen. Char.		146		pubescent	Stalk	
	147	.....	77			
Gen. Char.		148		pubescent	Stalk	
	149	.....	78			
Gen. Char.		150		pubescent	Stalk	
	151	.....	79			
Gen. Char.		152		pubescent	Stalk	
	153	.....	80			
Gen. Char.		154		pubescent	Stalk	
	155	.....	81			
Gen. Char.		156		pubescent	Stalk	
	157	.....	82			
Gen. Char.		158		pubescent	Stalk	
	159	.....	83			
Gen. Char.		160		pubescent	Stalk	
	161	.....	84			
Gen. Char.		162		pubescent	Stalk	
	163	.....	85			
Gen. Char.		164		pubescent	Stalk	
	165	.....	86			
Gen. Char.		166		pubescent	Stalk	
	167	.....	87			
Gen. Char.		168		pubescent	Stalk	
	169	.....	88			
Gen. Char.		170		pubescent	Stalk	
	171	.....	89			
Gen. Char.		172		pubescent	Stalk	
	173	.....	90			
Gen. Char.		174		pubescent	Stalk	
	175	.....	91			
Gen. Char.		176		pubescent	Stalk	
	177	.....	92			
Gen. Char.		178		pubescent	Stalk	
	179	.....	93			
Gen. Char.		180		pubescent	Stalk	
	181	.....	94			
Gen. Char.		182		pubescent	Stalk	
	183	.....	95			
Gen. Char.		184		pubescent	Stalk	
	185	.....	96			
Gen. Char.		186		pubescent	Stalk	
	187	.....	97			
Gen. Char.		188		pubescent	Stalk	
	189	.....	98			
Gen. Char.		190		pubescent	Stalk	
	191	.....	99			
Gen. Char.		192		pubescent	Stalk	
	193	.....	100			
Gen. Char.		194		pubescent	Stalk	
	195	.....	101			
Gen. Char.		196		pubescent	Stalk	
	197	.....	102			
Gen. Char.		198		pubescent	Stalk	
	199	.....	103			
Gen. Char.		200		pubescent	Stalk	
	201	.....	104			
Gen. Char.		202		pubescent	Stalk	
	203	.....	105			
Gen. Char.		204		pubescent	Stalk	
	205	.....	106			
Gen. Char.		206		pubescent	Stalk	
	207	.....	107			
Gen. Char.		208		pubescent	Stalk	
	209	.....	108			
Gen. Char.		210		pubescent	Stalk	
	211	.....	109			
Gen. Char.		212		pubescent	Stalk	
	213	.....	110			
Gen. Char.		214		pubescent	Stalk	
	215	.....	111			
Gen. Char.		216		pubescent	Stalk	
	217	.....	112			
Gen. Char.		218		pubescent	Stalk	
	219	.....	113			
Gen. Char.		220		pubescent	Stalk	
	221	.....	114			
Gen. Char.		222		pubescent	Stalk	
	223	.....	115			
Gen. Char.		224		pubescent	Stalk	
	225	.....	116			
Gen. Char.		226		pubescent	Stalk	
	227	.....	117			
Gen. Char.		228		pubescent	Stalk	
	229	.....	118			
Gen. Char.		230		pubescent	Stalk	
	231	.....	119			
Gen. Char.		232		pubescent	Stalk	
	233	.....	120			
Gen. Char.		234		pubescent	Stalk	
	235	.....	121			
Gen. Char.		236		pubescent	Stalk	
	237	.....	122			
Gen. Char.		238		pubescent	Stalk	
	239	.....	123			
Gen. Char.		240		pubescent	Stalk	
	241	.....	124			
Gen. Char.		242		pubescent	Stalk	
	243	.....	125			
Gen. Char.		244		pubescent	Stalk	
	245	.....	126			
Gen. Char.		246		pubescent	Stalk	
	247	.....	127			
Gen. Char.		248		pubescent	Stalk	
	249	.....	128			
Gen. Char.		250		pubescent	Stalk	
	251	.....	129			
Gen. Char.		252		pubescent	Stalk	
	253	.....	130			
Gen. Char.		254		pubescent	Stalk	
	255	.....	131			
Gen. Char.		256		pubescent	Stalk	
	257	.....	132			
Gen. Char.		258		pubescent	Stalk	
	259	.....	133			
Gen. Char.		260		pubescent	Stalk	
	261	.....	134			
Gen. Char.		262		pubescent	Stalk	
	263	.....	135			
Gen. Char.		264		pubescent	Stalk	
	265	.....	136			
Gen. Char.		266		pubescent	Stalk	
	267	.....	137			
Gen. Char.		268		pubescent	Stalk	
	269	.....	138			
Gen. Char.		270		pubescent	<	

.....chaffy Texture	versatile introrse extrorse pendulous Form	included exserted	Surface, <i>a. b. c.</i>
Calyx-Corolla			
Gamosepalous	sepalis.....petalis Form	free-central.....axillary.....parietal	Gen. Character.....grooved.....ribbed.....furrowed
.....rotate	sepalis.....petalis.....a. b. c. d.	sagittate.....peltate.....awned.....cordate	SEED Number
.....cup-shaped	spurred	half-ovoid	Form
.....campanulate	petalis	No. of Cells, Dehiscence	oblong.....ovate.....ovoid
.....funnel-form	a. b. c. d.	Pollon	Attachment
.....tubular	Aestivation	Pollinia	sessile.....funiculate
.....ligulate	valvate	Pistil	Coats
.....lobate	induplicate	Kinds	Surface, <i>a. b. c.</i>
.....galeate	reduplicate	closed	Color
.....ringent	imbricate	open	Texture
.....perispermate	contorted	Cobesion	Apudages
.....spurred	plicatic	simple	sepiculad.....loculicidal.....septifugal.....circumscissile
.....inflated	supervolvit.	multiple.....compound	aril.....circumscissile.....strophiole.....wing.....coma
.....saccate		Number	Albumen
Border	Stamens	Sigma	quantity
.....truncate	Number	Position	Texture
.....entire	alternate	terminal	Color
.....lobed	opposite	lateral	Embryo
.....cleft	hypogynous	sessile	firm.....straight.....bent.....rolled
.....parted	perigynous	Form	Size
Papies	gynandrous	Style	Position as to Albumen
.....cup	on a disk	filiform	outside.....inside
.....seaks	epicalous	branching.....declinate	Radicle
.....awns	Length	Position	Direction
.....bristles	long	terminal	Length
Perisperm us	short	lateral	Pinnule
Polypetalous	tetradymanous	basilar	Number
.....filiacons	Cobesion	superior	Position
.....hilaccons	synchronous	inferior	Copydons
.....cruciferous	Gen. Features	Form	Form
.....caryophyllaceous	included	Surface, <i>a. b. c.</i>	Size
.....papilionaceous	exserted	Ovary	Number
.....anomalous	sessile	Adhesion	Texture
Duration	convivent	No. of Cells	
.....deciduous	Filament	Form	
.....marcescent	Form	superior	
.....persistent	capillary	half-superior	
Color	filiform	inferior	
.....calyx	Surface, <i>a. b. c.</i>	No. of Cells	
.....corolla	Anther	Form	
.....calyx	Attachment	Surface, <i>a. b. c.</i>	
.....ribbed	innate	Gen. Features	
.....nerved	adnate		
.....corolla			
.....throat			
Texture			

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

DATE,

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CHECK TABLE.

GENERAL HABIT.	1 hollow	8 spatulate	4 villous	 symmetrical
..... fleshy	2 geniculate	9 oblong	5 sulky	 complete
..... terestrial	3 tumid joint	10 elliptical	6 woolly	 perfect
..... aquatic	4 c	11 oval	7 velvety	 regular
..... parasitic	Surface	12 round	Stiff Hair	 staminate
..... aerial	1 b	13 ovate	1 hispid	 neutral
Duration	Color	14 obovate	2 scabrous	.....
..... annual	Height	15 cuneate	3 ciliate	.....
..... biennial	Underground	16	4 spinous	.....
..... perennial	1 rhizoma	17 fuscate	5 prickly	.....
Odor	2 tuber	b Base	6	Odor
Juice	3 bulb	1 acuminate	7	Plan
Color	4	2 acute	8 Petiole	Stalk
Taste	LEAVES.	3 obtuse	9 form	Petiole
Gen. Char.	4 sessile	4 truncate	10 terete	Length
ROOT.	5 petiolate	5 retuse	11 grooved	Surface
Form	6 stipulate	6 emarginate	12 compressed	Length
..... conical	7 exstipulate	7 cordate	13 leaf-like	Feet
..... fusiform	8 equitant	8 auriculate	14 margined	Shape
..... napiform	Arrangement	9 hastate	15 clasping	Surface
..... ranose	On the Stem	10 petiole	16 sheathing	Length
..... solvent	1 cauline	11 reniform	17 ciliate	Form
..... fibrous	2 radical	12 clasping	18 .....	.....
..... fasciculate	3 rumal	13 connate	19 decurrent	.....
..... aereal	Along the Axis	14 decurrent	20 .....	.....
Gen. Char.	1 alternate	c Apex	1 acuminate	Gen. Character
STEM.	2 scattered	1 acute	2 obtuse	No. of rows
..... exogenous	3 fasciculate	3 obtuse	3 truncate	Number
..... endogenous	4 opposite	4 retuse	4 emarginate	Direction
Nature	5 verticillate	5	5 obcordate	 erect
..... herbaceous	6 persistent	6 deciduous	6 mucronate	 spreading
..... suffrutescent	7 deciduous	7	7 aristate	 reflexed
..... suffrutescent	Vernation	8	8 .....	.....
..... fruticose	Texture	9 succulent	9 .....	.....
..... fibrous	1 succulent	10 coriaceous	10 .....	.....
..... fibrous	2 rugose	11	11 .....	.....
Dir. of Growth	3	12	12 .....	.....
..... erect	Venation.	13 parallel	13 .....	.....
..... decumbent	1 parallel	14 straight	14 .....	.....
..... diffuse	2 curved	15 transverse	15 .....	.....
..... prostrate	3 curved	16	16 .....	.....
..... creeping	4 transverse	17	17 .....	.....
..... climbing	Method.	18 pinnate	18 .....	.....
..... twining	1 pinnate	19 3-nerved	19 .....	.....
..... simple	2 3-nerved	20 radiate	20 .....	.....
..... furcate	3 radiate	21	21 .....	.....
..... excurrent	Form.	22 compound	22 .....	.....
..... racemose	1 compound	23 pinnate	23 .....	.....
..... paniculate	2 palmate	24 foliate	24 .....	.....
..... corymbose	3 foliate	25	25 .....	.....
..... diffuse	Special Forms	26 stolon	26 .....	.....
..... deliquescent	1 stolon	27 offsets	27 .....	.....
..... suckers	2 runners	28 tendrils	28 .....	.....
..... stolon	3 thorns	29 char.	29 .....	.....
..... offsets	4 teretic	30 striate	30 .....	.....
Gen. Char.	5 grooved	31 angled	31 .....	.....
..... teretic	6 smooth	32 punctate	32 .....	.....
..... striate	7 alveolate	33 bristly	33 .....	.....
..... grooved	8	34	34 .....	.....
..... angled	9	35	35 .....	.....
..... solid	10	36	36 .....	.....

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial aquatic parasitic aerial annual biennial per-ennial

Duration Color Taste Gen. Char.

Form conical fusiform napiform ramose fibrous fasciculate acaul

Gen. Char. **STEM** exogenous endogenous herbaceous suffrutescent fruticose arborescent alvaceous

Dir. of Growth erect decumbent decumbent prostrate creeping climbing twining simple furcate excurrent racemose paniculate corymbose diffuse deliquescent

Special Forms stolons suckers runners tendrils thorns terete striate grooved angled solid

Gen. Char. **Gen. Outline** Simple Leaves Gen. Outline

..... hollow flexuose geniculate tumid joint Surface a b c Color Height Underground rhizoma Corm tuber bulb Leaves. Kinds sessile p etiolate stipulate exstipulate equitant Arrangement On the Stem cauline radical ruminal Along the Axis—

..... 8 spatulate oblong elliptical oval round ovate obovate cuneate auriculate hastate peltate reniform clasping connate decurrent c d e f g h i j k l m n o p q r s t u v w x y z

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

..... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CHECK TABLET.

GENERAL FEATURES. Habit.	terrestrial	8 hollow	9 spatulate	4 villous	5 symmetrical		
	aquatic	10 flexuose	11 oblong	6 silky	7 complete		
	parasitic	12 geniculate	13 elliptical	7 woolly	8 perfect		
	aerial	14 tumid joint	15 oval	8 velvety	9 rugular		
	annual	a, b, c	13 ovate	14 round	9 hairs	10 staminate	
	bicennial	14 obovate	15 cuculate	15 spatulate	11 hispid	12 pistillate	
	perennial	15 cuculate	16 spatulate	16 acuminate	12 spinous	13 neutra	
	Odor	conical	b	Base	13 prickly	14 plan	
		fastiform	1	acuminate	14 petiole	15 stalk	
		ramiform	2	acute	15 terete	16 peduncle	
ramose		3	obtus	16 grooved	17 surface, a, b, c		
solvent		4	truncate	17 compressed	18 pedicel		
fibrous		5	retuse	18 leaf-like	19 length		
fasciculate		6	emarginate	19 kind	20 scape		
aerial		7	cordate	20 margined	21 height, a, b, c		
Form		conical	8	auriculate	21 clasping	22 involucre	
		fastiform	9	sagittate	22 sheathing	23 form	
	ramiform	10	hastate	23 free	24 rosaceous		
	ramose	11	peltate	24 clasping	25 cup-shaped		
	solvent	12	reniform	25 membranous	26 hemispherical		
	fibrous	13	clasping	26 foliaceous	27 bell-shaped		
	fasciculate	14	connate	27 deciduous	28 cylindrical		
	aerial	15	decurrent	28 free	29 conical		
	Gen. Char.	alternate	16	Adhesion	29 ovoid	30 Scallo	
		scattered	c	Apex	30 free	31 No. of rows	
rosulate		1	acuminate	31 clasping	32 Direction		
fasciculate		2	obtus	32 membranous	33 appressed		
opposite		3	truncate	33 spinous	34 spreading		
verticillate		4	retuse	34 scarious	35 reflexed		
persistent		5	emarginate	35 venation	36 form, a, b, c, d		
deciduous		6	obcordate	36 venation	37 Surface, a, b, c, d		
Duration		deciduous	7	cuspidate	37 venation	38 venation	
		deciduous	8	aristate	38 venation	39 venation	
	Vernation	deciduous	9	imbricate	39 venation	40 venation	
		deciduous	10	aristate	40 venation	41 venation	
		Texture	deciduous	11	aristate	41 venation	42 venation
			deciduous	d	Margin	42 venation	43 venation
			deciduous	1	revolute	43 venation	44 venation
			deciduous	2	entire	44 venation	45 venation
			deciduous	3	serrate	45 venation	46 venation
			deciduous	4	dentate	46 venation	47 venation
deciduous			5	erenate	47 venation	48 venation	
deciduous			6	repand	48 venation	49 venation	
deciduous	7		sinuate	49 venation	50 venation		
deciduous	8		fringed	50 venation	51 venation		
Branching	deciduous	9	fringed	51 venation	52 venation		
	deciduous	10	ciliate	52 venation	53 venation		
	deciduous	11	scerrulate	53 venation	54 venation		
	deciduous	12	lobed	54 venation	55 venation		
	deciduous	13	cleft	55 venation	56 venation		
	deciduous	14	parted	56 venation	57 venation		
	deciduous	15	pectinate	57 venation	58 venation		
	deciduous	16	lyrate	58 venation	59 venation		
	deciduous	17	racinate	59 venation	60 venation		
	deciduous	18	divided	60 venation	61 venation		
Special Forms	deciduous	19	divided	61 venation	62 venation		
	deciduous	a	No hairs	62 venation	63 venation		
	deciduous	1	glabrous	63 venation	64 venation		
	deciduous	2	glaucous	64 venation	65 venation		
	deciduous	3	punctate	65 venation	66 venation		
	deciduous	4	filiform	66 venation	67 venation		
	deciduous	5	acicular	67 venation	68 venation		
	deciduous	6	verrucose	68 venation	69 venation		
	deciduous	7	acrose	69 venation	70 venation		
	deciduous	8	subulate	70 venation	71 venation		
Gen. Char.	deciduous	1	linear	71 venation	72 venation		
	deciduous	2	pubescent	72 venation	73 venation		
	deciduous	3	pubescent	73 venation	74 venation		
	deciduous	4	pubescent	74 venation	75 venation		
	deciduous	5	pubescent	75 venation	76 venation		
	deciduous	6	pubescent	76 venation	77 venation		
	deciduous	7	pubescent	77 venation	78 venation		
	deciduous	8	pubescent	78 venation	79 venation		
	deciduous	9	pubescent	79 venation	80 venation		
	deciduous	10	pubescent	80 venation	81 venation		

CHECK TABLE.

GENERAL FEATURES.	Habit.	1 hollow	8 spatulate	4 villous	1 symmetrical
	terrestrial	2 flexuose	9 oblong	5 silky	 complete
	aquatic	3 geniculate	10 elliptical	6 woolly	 perfect
	parasitic	4 tumid joint	11 oval	7 velvety	 regular
Duration	aerial	5	12 ovate	8 Soft Hairs	 staminate
	annual	6	13 obovate	1 scabrous	 pistillate
	biennial	7 sessile	14 cuneate	2 hispid	 neutral
	perennial	8 stipulate	15	3 spinous	.....
Odor	perennial	9 exstipulate	16	4 prickly	.....
	annual	10 tuber	17 Base	5	Odor
	biennial	11 bulb	18 acuminata	6	Plan
	perennial	12 sessile	19 acute	7	 mucrons
Juice	Color	13 stipulate	20 obtuse	8 Petiole	Stalk
	Flavor	14 exstipulate	21 truncate	9	Length
	Gen. Char.	15 equitant	22	10	Surface
	Form	16 sessile	23	11	Length
ROOT.	conical	24	25	12	 Pedicel
	fusiform	26	27	13	 Scope
	napiform	28	29	14	Height
	ramose	29	30	15	Surface
Gen. Char.	solvent	31	32	16	Involute
	fibrous	32	33	17	 tomentous
	fasciculate	33	34	18	 cup-shaped
	aerial	34	35	19	 hemispherical
STEM.	erect	35	36	20	 bell-shaped
	exaggerated	36	37	21	 cylindrical
	endogen	37	38	22	 conical
	herbaceous	38	39	23	 ovoid
nature	suffrutescent	39	40	24 .....	.....
	fruticose	40	41	25 .....	.....
	arborescent	41	42	26 .....	.....
	decumbent	42	43	27 .....	.....
Dir. of Growth	erect	43	44	28 .....	.....
	ascending	44	45	29 .....	.....
	diffuse	45	46	30 .....	.....
	prostrate	46	47	31 .....	.....
Branching	creeping	47	48	32 .....	.....
	climbing	48	49	33 .....	.....
	twining	49	50	34 .....	.....
	simple	50	51	35 .....	.....
Form	furcate	51	52	36 .....	.....
	excurrent	52	53	37 .....	.....
	racemose	53	54	38 .....	.....
	paniculate	54	55	39 .....	.....
Special Forms	diffuse	55	56	40 .....	.....
	decumbent	56	57	41 .....	.....
	racemose	57	58	42 .....	.....
	corymbose	58	59	43 .....	.....
Gen. Char.	diffuse	59	60	44 .....	.....
	erect	60	61	45 .....	.....
	ascending	61	62	46 .....	.....
	diffuse	62	63	47 .....	.....
Special Forms	diffuse	63	64	48 .....	.....
	erect	64	65	49 .....	.....
	ascending	65	66	50 .....	.....
	diffuse	66	67	51 .....	.....
Gen. Char.	diffuse	67	68	52 .....	.....
	erect	68	69	53 .....	.....
	ascending	69	70	54 .....	.....
	diffuse	70	71	55 .....	.....
Special Forms	diffuse	71	72	56 .....	.....
	erect	72	73	57 .....	.....
	ascending	73	74	58 .....	.....
	diffuse	74	75	59 .....	.....
Gen. Char.	diffuse	75	76	60 .....	.....
	erect	76	77	61 .....	.....
	ascending	77	78	62 .....	.....
	diffuse	78	79	63 .....	.....
Special Forms	diffuse	79	80	64 .....	.....
	erect	80	81	65 .....	.....
	ascending	81	82	66 .....	.....
	diffuse	82	83	67 .....	.....
Gen. Char.	diffuse	83	84	68 .....	.....
	erect	84	85	69 .....	.....
	ascending	85	86	70 .....	.....
	diffuse	86	87	71 .....	.....
Special Forms	diffuse	87	88	72 .....	.....
	erect	88	89	73 .....	.....
	ascending	89	90	74 .....	.....
	diffuse	90	91	75 .....	.....
Gen. Char.	diffuse	91	92	76 .....	.....
	erect	92	93	77 .....	.....
	ascending	93	94	78 .....	.....
	diffuse	94	95	79 .....	.....
Special Forms	diffuse	95	96	80 .....	.....
	erect	96	97	81 .....	.....
	ascending	97	98	82 .....	.....
	diffuse	98	99	83 .....	.....
Gen. Char.	diffuse	99	100	84 .....	.....
	erect	100	101	85 .....	.....
	ascending	101	102	86 .....	.....
	diffuse	102	103	87 .....	.....
Special Forms	diffuse	103	104	88 .....	.....
	erect	104	105	89 .....	.....
	ascending	105	106	90 .....	.....
	diffuse	106	107	91 .....	.....
Gen. Char.	diffuse	107	108	92 .....	.....
	erect	108	109	93 .....	.....
	ascending	109	110	94 .....	.....
	diffuse	110	111	95 .....	.....
Special Forms	diffuse	111	112	96 .....	.....
	erect	112	113	97 .....	.....
	ascending	113	114	98 .....	.....
	diffuse	114	115	99 .....	.....
Gen. Char.	diffuse	115	116	100 .....	.....
	erect	116	117	101 .....	.....
	ascending	117	118	102 .....	.....
	diffuse	118	119	103 .....	.....
Special Forms	diffuse	119	120	104 .....	.....
	erect	120	121	105 .....	.....
	ascending	121	122	106 .....	.....
	diffuse	122	123	107 .....	.....
Gen. Char.	diffuse	123	124	108 .....	.....
	erect	124	125	109 .....	.....
	ascending	125	126	110 .....	.....
	diffuse	126	127	111 .....	.....
Special Forms	diffuse	127	128	112 .....	.....
	erect	128	129	113 .....	.....
	ascending	129	130	114 .....	.....
	diffuse	130	131	115 .....	.....
Gen. Char.	diffuse	131	132	116 .....	.....
	erect	132	133	117 .....	.....
	ascending	133	134	118 .....	.....
	diffuse	134	135	119 .....	.....
Special Forms	diffuse	135	136	120 .....	.....
	erect	136	137	121 .....	.....
	ascending	137	138	122 .....	.....
	diffuse	138	139	123 .....	.....
Gen. Char.	diffuse	139	140	124 .....	.....
	erect	140	141	125 .....	.....
	ascending	141	142	126 .....	.....
	diffuse	142	143	127 .....	.....
Special Forms	diffuse	143	144	128 .....	.....
	erect	144	145	129 .....	.....
	ascending	145	146	130 .....	.....
	diffuse	146	147	131 .....	.....
Gen. Char.	diffuse	147	148	132 .....	.....
	erect	148	149	133 .....	.....
	ascending	149	150	134 .....	.....
	diffuse	150	151	135 .....	.....
Special Forms	diffuse	151	152	136 .....	.....
	erect	152	153	137 .....	.....
	ascending	153	154	138 .....	.....
	diffuse	154	155	139 .....	.....
Gen. Char.	diffuse	155	156	140 .....	.....
	erect	156	157	141 .....	.....
	ascending	157	158	142 .....	.....
	diffuse	158	159	143 .....	.....
Special Forms	diffuse	159	160	144 .....	.....
	erect	160	161	145 .....	.....
	ascending	161	162	146 .....	.....
	diffuse	162	163	147 .....	.....
Gen. Char.	diffuse	163	164	148 .....	.....
	erect	164	165	149 .....	.....
	ascending	165	166	150 .....	.....
	diffuse	166	167	151 .....	.....
Special Forms	diffuse	167	168	152 .....	.....
	erect	168	169	153 .....	.....
	ascending	169	170	154 .....	.....
	diffuse	170	171	155 .....	.....
Gen. Char.	diffuse	171	172	156 .....	.....
	erect	172	173	157 .....	.....
	ascending	173	174	158 .....	.....
	diffuse	174	175	159 .....	.....
Special Forms	diffuse	175	176	160 .....	.....
	erect	176	177	161 .....	.....
	ascending	177	178	162 .....	.....
	diffuse	178	179	163 .....	.....
Gen. Char.	diffuse	179	180	164 .....	.....
	erect	180	181	165 .....	.....
	ascending	181	182	166 .....	.....
	diffuse	182	183	167 .....	.....
Special Forms	diffuse	183	184	168 .....	.....
	erect	184	185	169 .....	.....
	ascending	185	186	170 .....	.....
	diffuse	186	187	171 .....	.....
Gen. Char.	diffuse	187	188	172 .....	.....
	erect	188	189	173 .....	.....
	ascending	189	190	174 .....	.....
	diffuse	190	191	175 .....	.....
Special Forms	diffuse	191	192	176 .....	.....
	erect	192	193	177 .....	.....
	ascending	193	194	178 .....	.....
	diffuse	194	195	179 .....	.....
Gen. Char.	diffuse	195	196	180 .....	.....
	erect	196	197	181 .....	.....
	ascending	197	198	182 .....	.....
	diffuse	198	199	183 .....	.....
Special Forms	diffuse	199	200	184 .....	.....
	erect	200	201	185 .....	.....
	ascending	201	202	186 .....	.....
	diffuse	202	203	187 .....	.....
Gen. Char.	diffuse	203	204	188 .....	.....
	erect	204	205	189 .....	.....
	ascending	205	206	190 .....	.....
	diffuse	206	207	191 .....	.....
Special Forms	diffuse	207	208	192 .....	.....
	erect	208	209	193 .....	.....
	ascending	209	210	194 .....	.....
	diffuse	210	211	195 .....	.....
Gen. Char.	diffuse	211	212	196 .....	.....
	erect	212	213	197 .....	.....
	ascending	213	214	198 .....	.....
	diffuse	214	215	199 .....	.....
Special Forms	diffuse	215	216	200 .....	.....
	erect	216	217	201 .....	.....
	ascending	217	218	202 .....	.....
	diffuse	218	219	203 .....	.....
Gen. Char.	diffuse	219	220	204 .....	.....
	erect	220	221	205 .....	.....
	ascending	221	222	206 .....	.....
	diffuse	222	223	207 .....	.....
Special Forms	diffuse	223	224	208 .....	.....
	erect	224	225	209 .....	.....
	ascending	225	226	210 .....	.....
	diffuse	226	227	211 .....	.....
Gen. Char.	diffuse	227	228	212 .....	.....
	erect	228	229	213 .....	.....
	ascending	229	230	214 .....	.....
	diffuse	230	231	215 .....	.....
Special Forms	diffuse	231	232	216 .....	.....
	erect	232	233	217 .....	.....
	ascending	233	234	218 .....	.....
	diffuse	234	235	219 .....	.....
Gen. Char.	diffuse	235	236	220 .....	.....
	erect	236	237	221 .....	.....
	ascending	237	238	222 .....	.....
	diffuse	238	239	223 .....	.....
Special Forms	diffuse	239	240	224 .....	.....
	erect	240	241	225 .....	.....
	ascending	241	242	226 .....	.....
	diffuse	242	243	227 .....	.....
Gen. Char.	diffuse	243	244	228 .....	.....
	erect	244	245	229 .....	.....
	ascending	245	246	230 .....	.....
	diffuse	246	247	231 .....	.....
Special Forms	diffuse	247	248	232 .....	.....
	erect	248	249	233 .....	.....
	ascending	249	250	234 .....	.....
	diffuse	250	251	235 .....	.....
Gen. Char.	diffuse	251	252	236 .....	.....
	erect	252	253	237 .....	.....
	ascending	253	254	238 .....	.....
	diffuse	254	255	239 .....	.....
Special Forms	diffuse	255	256	240 .....	.....
	erect	256	257	241 .....	.....
	ascending	257	258	242 .....	.....
	diffuse	258	259	243 .....	.....
Gen. Char.	diffuse	259	260	244 .....	.....
	erect	260	261	245 .....	.....
	ascending	261	262	246 .....	.....
	diffuse	262	263	247 .....	.....
Special Forms	diffuse	263	264	248 .....	.....
	erect	264	265	249 .....	.....
	ascending	265	266	250 .....	.....
	diffuse	266	267	251 .....	.....
Gen. Char.	diffuse	267	268	252 .....	.....
	erect	268	269	253 .....	.....
	ascending	269	270	254 .....	.....
	diffuse	270	271	255 .....	.....
Special Forms	diffuse	271	272	256 .....	.....
	erect	272	273	257 .....	.....
	ascending	273	274	258 .....	.....
	diffuse	274	275	259 .....	.....
Gen. Char.	diffuse	275	276		

CHECK TABLET.

[illegible]

CHECK TABLET.

GENERAL FEATURES. Habit.	terrestrial	1	hollow	8	spatulate	4	villous	1	symmetrical
	aquatic	2	flexuose	9	oblong	5	sulky	2	complete
	parasitic	3	geminate	10	elliptical	6	wooly	3	perfect
Surface a. b. c.	1	tumid joint	11	oval	7	velvety	4	regular	
	2	.....	12	round	8	.....	5	scaminate	
	3	.....	13	ovate	9	.....	6	psillulate	
Color Height	1	.....	14	obovate	10	scariosus	7	neutral	
	2	.....	15	cuneate	11	hispid	8	.....	
	3	.....	16	.....	12	.....	9	.....	
Underground rhizoma	1	.....	17	.....	13	spinosus	10	.....	
	2	.....	18	.....	14	.....	11	.....	
	3	.....	19	.....	15	.....	12	.....	
Odor	1	.....	20	.....	16	prickly	13	.....	
	2	.....	21	.....	17	.....	14	.....	
	3	.....	22	.....	18	.....	15	.....	
Juice Color Taste	1	.....	23	.....	19	.....	16	.....	
	2	.....	24	.....	20	.....	17	.....	
	3	.....	25	.....	21	.....	18	.....	
Form Gen. Char.	1	.....	26	.....	22	.....	19	.....	
	2	.....	27	.....	23	.....	20	.....	
	3	.....	28	.....	24	.....	21	.....	
ROOT.	1	.....	29	.....	25	.....	22	.....	
	2	.....	30	.....	26	.....	23	.....	
	3	.....	31	.....	27	.....	24	.....	
Form Gen. Char.	1	.....	32	.....	28	.....	25	.....	
	2	.....	33	.....	29	.....	26	.....	
	3	.....	34	.....	30	.....	27	.....	
STEM.	1	.....	35	.....	31	.....	28	.....	
	2	.....	36	.....	32	.....	29	.....	
	3	.....	37	.....	33	.....	30	.....	
Texture Dir. of Growth	1	.....	38	.....	34	.....	31	.....	
	2	.....	39	.....	35	.....	32	.....	
	3	.....	40	.....	36	.....	33	.....	
Gen. Char.	1	.....	41	.....	37	.....	34	.....	
	2	.....	42	.....	38	.....	35	.....	
	3	.....	43	.....	39	.....	36	.....	
Gen. Char.	1	.....	44	.....	40	.....	37	.....	
	2	.....	45	.....	41	.....	38	.....	
	3	.....	46	.....	42	.....	39	.....	
Gen. Char.	1	.....	47	.....	43	.....	40	.....	
	2	.....	48	.....	44	.....	41	.....	
	3	.....	49	.....	45	.....	42	.....	
Gen. Char.	1	.....	50	.....	46	.....	43	.....	
	2	.....	51	.....	47	.....	44	.....	
	3	.....	52	.....	48	.....	45	.....	
Gen. Char.	1	.....	53	.....	49	.....	46	.....	
	2	.....	54	.....	50	.....	47	.....	
	3	.....	55	.....	51	.....	48	.....	
Gen. Char.	1	.....	56	.....	52	.....	49	.....	
	2	.....	57	.....	53	.....	50	.....	
	3	.....	58	.....	54	.....	51	.....	
Gen. Char.	1	.....	59	.....	55	.....	52	.....	
	2	.....	60	.....	56	.....	53	.....	
	3	.....	61	.....	57	.....	54	.....	
Gen. Char.	1	.....	62	.....	58	.....	55	.....	
	2	.....	63	.....	59	.....	56	.....	
	3	.....	64	.....	60	.....	57	.....	
Gen. Char.	1	.....	65	.....	61	.....	58	.....	
	2	.....	66	.....	62	.....	59	.....	
	3	.....	67	.....	63	.....	60	.....	
Gen. Char.	1	.....	68	.....	64	.....	61	.....	
	2	.....	69	.....	65	.....	62	.....	
	3	.....	70	.....	66	.....	63	.....	
Gen. Char.	1	.....	71	.....	67	.....	64	.....	
	2	.....	72	.....	68	.....	65	.....	
	3	.....	73	.....	69	.....	66	.....	
Gen. Char.	1	.....	74	.....	70	.....	67	.....	
	2	.....	75	.....	71	.....	68	.....	
	3	.....	76	.....	72	.....	69	.....	
Gen. Char.	1	.....	77	.....	73	.....	70	.....	
	2	.....	78	.....	74	.....	71	.....	
	3	.....	79	.....	75	.....	72	.....	
Gen. Char.	1	.....	80	.....	76	.....	73	.....	
	2	.....	81	.....	77	.....	74	.....	
	3	.....	82	.....	78	.....	75	.....	
Gen. Char.	1	.....	83	.....	79	.....	76	.....	
	2	.....	84	.....	80	.....	77	.....	
	3	.....	85	.....	81	.....	78	.....	
Gen. Char.	1	.....	86	.....	82	.....	79	.....	
	2	.....	87	.....	83	.....	80	.....	
	3	.....	88	.....	84	.....	81	.....	
Gen. Char.	1	.....	89	.....	85	.....	82	.....	
	2	.....	90	.....	86	.....	83	.....	
	3	.....	91	.....	87	.....	84	.....	
Gen. Char.	1	.....	92	.....	88	.....	85	.....	
	2	.....	93	.....	89	.....	86	.....	
	3	.....	94	.....	90	.....	87	.....	
Gen. Char.	1	.....	95	.....	91	.....	88	.....	
	2	.....	96	.....	92	.....	89	.....	
	3	.....	97	.....	93	.....	90	.....	
Gen. Char.	1	.....	98	.....	94	.....	91	.....	
	2	.....	99	.....	95	.....	92	.....	
	3	.....	100	.....	96	.....	93	.....	
Gen. Char.	1	.....	101	.....	97	.....	94	.....	
	2	.....	102	.....	98	.....	95	.....	
	3	.....	103	.....	99	.....	96	.....	
Gen. Char.	1	.....	104	.....	100	.....	97	.....	
	2	.....	105	.....	101	.....	98	.....	
	3	.....	106	.....	102	.....	99	.....	
Gen. Char.	1	.....	107	.....	103	.....	100	.....	
	2	.....	108	.....	104	.....	101	.....	
	3	.....	109	.....	105	.....	102	.....	
Gen. Char.	1	.....	110	.....	106	.....	103	.....	
	2	.....	111	.....	107	.....	104	.....	
	3	.....	112	.....	108	.....	105	.....	
Gen. Char.	1	.....	113	.....	109	.....	106	.....	
	2	.....	114	.....	110	.....	107	.....	
	3	.....	115	.....	111	.....	108	.....	
Gen. Char.	1	.....	116	.....	112	.....	109	.....	
	2	.....	117	.....	113	.....	110	.....	
	3	.....	118	.....	114	.....	111	.....	
Gen. Char.	1	.....	119	.....	115	.....	112	.....	
	2	.....	120	.....	116	.....	113	.....	
	3	.....	121	.....	117	.....	114	.....	
Gen. Char.	1	.....	122	.....	118	.....	115	.....	
	2	.....	123	.....	119	.....	116	.....	
	3	.....	124	.....	120	.....	117	.....	
Gen. Char.	1	.....	125	.....	121	.....	118	.....	
	2	.....	126	.....	122	.....	119	.....	
	3	.....	127	.....	123	.....	120	.....	
Gen. Char.	1	.....	128	.....	124	.....	121	.....	
	2	.....	129	.....	125	.....	122	.....	
	3	.....	130	.....	126	.....	123	.....	
Gen. Char.	1	.....	131	.....	127	.....	124	.....	
	2	.....	132	.....	128	.....	125	.....	
	3	.....	133	.....	129	.....	126	.....	
Gen. Char.	1	.....	134	.....	130	.....	127	.....	
	2	.....	135	.....	131	.....	128	.....	
	3	.....	136	.....	132	.....	129	.....	
Gen. Char.	1	.....	137	.....	133	.....	130	.....	
	2	.....	138	.....	134	.....	131	.....	
	3	.....	139	.....	135	.....	132	.....	
Gen. Char.	1	.....	140	.....	136	.....	133	.....	
	2	.....	141	.....	137	.....	134	.....	
	3	.....	142	.....	138	.....	135	.....	
Gen. Char.	1	.....	143	.....	139	.....	136	.....	
	2	.....	144	.....	140	.....	137	.....	
	3	.....	145	.....	141	.....	138	.....	
Gen. Char.	1	.....	146	.....	142	.....	139	.....	
	2	.....	147	.....	143	.....	140	.....	
	3	.....	148	.....	144	.....	141	.....	
Gen. Char.	1	.....	149	.....	145	.....	142	.....	
	2	.....	150	.....	146	.....	143	.....	
	3	.....	151	.....	147	.....	144	.....	
Gen. Char.	1	.....	152	.....	148	.....	145	.....	
	2	.....	153	.....	149	.....	146	.....	
	3	.....	154	.....	150	.....	147	.....	
Gen. Char.	1	.....	155	.....	151	.....	148	.....	
	2	.....	156	.....	152	.....	149	.....	
	3	.....	157	.....	153	.....	150	.....	
Gen. Char.	1	.....	158	.....	154	.....	151	.....	
	2	.....	159	.....	155	.....	152	.....	
	3	.....	160	.....	156	.....	153	.....	
Gen. Char.	1	.....	161	.....	157	.....	154	.....	
	2	.....	162	.....	158	.....	155	.....	
	3	.....	163	.....	159	.....	156	.....	
Gen. Char.	1	.....	164	.....	160	.....	157	.....	
	2	.....	165	.....	161	.....	158	.....	
	3	.....	166	.....	162	.....	159	.....	
Gen. Char.	1	.....	167	.....	163	.....	160	.....	
	2	.....	168	.....	164	.....	161	.....	
	3	.....	169	.....	165	.....	162	.....	
Gen. Char.	1	.....	170	.....	166	.....	163	.....	
	2	.....	171	.....	167	.....	164	.....	
	3	.....	172	.....	168	.....	165	.....	
Gen. Char.	1	.....	173	.....	169	.....	166	.....	
	2	.....	174	.....	170	.....	167	.....	
	3	.....	175	.....	171	.....	168	.....	
Gen. Char.	1	.....	176	.....	172	.....	169	.....	
	2	.....	177	.....	173	.....	170	.....	
	3	.....	178	.....	174	.....	171	.....	
Gen. Char.	1	.....	179	.....	175	.....	172	.....	
	2	.....	180	.....	176	.....	173	.....	
	3	.....	181	.....	177	.....	174	.....	
Gen. Char.	1	.....	182	.....	178	.....	175	.....	
	2	.....	183	.....	179	.....	176	.....	
	3	.....	184	.....	180	.....	177	.....	
Gen. Char.	1	.....	185	.....	181	.....	178	.....	
	2	.....	186	.....	182	.....	179	.....	
	3	.....	187	.....	183	.....	180	.....	
Gen. Char.	1	.....	188	.....	184	.....	181	.....	
	2	.....	189	.....	185	.....	182	.....	
	3	.....	190	.....	186	.....	183	.....	
Gen. Char.	1	.....	191	.....	187	.....	184	.....	
	2	.....	192	.....	188	.....	185	.....	
	3	.....	193	.....	189	.....	186	.....	
Gen. Char.	1	.....	194	.....	190	.....	187	.....	
	2	.....	195	.....	191	.....	188	.....	
	3	.....	196	.....	192	.....	189	.....	
Gen. Char.	1	.....	197	.....	193	.....	190	.....	
	2	.....	198	.....	194	.....	191	.....	
	3	.....	199	.....	195	.....	192	.....	
Gen. Char.	1	.....	200	.....	196	.....	193	.....	
	2	.....	201	.....	197	.....	194	.....	
	3	.....	202	.....	198	.....	195	.....	
Gen. Char.	1	.....	203	.....	199	.....	196	.....	
	2	.....	204	.....	200	.....	197	.....	
	3	.....	205	.....	201	.....	198	.....	
Gen. Char.	1	.....	206	.....	202	.....	199	.....	
	2	.....	207	.....					

CHECK TABLE.

GENERAL FEATURES.	hollow	8	spatulate	4	symmetrical
Habit.	flexuose	9	oblong	5	complete
terrestrial	geniculate	10	elliptical	6	perfect
aquatic	tumid joint	11	oval	7	regular
parasitic	surface	12	ovate	8	staminate
arid	a. b. c.	13	obovate	1	passilulate
Color.	color	14	obovate	2	neutral
Height.	Height	15	obovate	3	odor
Underground.	Underground	16	obovate	4	Plan
rhizoma	rhizoma	17	obovate	5	Stalk
com	com	18	obovate	6	Length
tuber	tuber	19	obovate	7	Podicle
bulb	bulb	20	obovate	8	Length
LEAVES.	sessile	21	obovate	9	Height
Kinds.	p. etiolate	22	obovate	10	Surface a. b. c.
stipulate	stipulate	23	obovate	11	Involute
equitant	equitant	24	obovate	12	Form
Arrangement	On the Stem	25	obovate	13	Stipules
opposite	opposite	26	obovate	14	Form
radial	radial	27	obovate	15	Form
Along the Axis	Along the Axis	28	obovate	16	Form
scattered	scattered	29	obovate	17	Form
rosette	rosette	30	obovate	18	Form
opposite	opposite	31	obovate	19	Form
verticillate	verticillate	32	obovate	20	Form
peristent	peristent	33	obovate	21	Form
deciduous	deciduous	34	obovate	22	Form
Vernation	Vernation	35	obovate	23	Form
scutell	scutell	36	obovate	24	Form
coriaceous	coriaceous	37	obovate	25	Form
rugose	rugose	38	obovate	26	Form
s. s. o. s.	s. s. o. s.	39	obovate	27	Form
Venation.	Venation	40	obovate	28	Form
straight	straight	41	obovate	29	Form
curved	curved	42	obovate	30	Form
transverse	transverse	43	obovate	31	Form
Noted.	Noted	44	obovate	32	Form
pinnate	pinnate	45	obovate	33	Form
3-nerved	3-nerved	46	obovate	34	Form
5-nerved	5-nerved	47	obovate	35	Form
radiate	radiate	48	obovate	36	Form
Form.	Form	49	obovate	37	Form
Compound	Compound	50	obovate	38	Form
pinnate	pinnate	51	obovate	39	Form
palinate	palinate	52	obovate	40	Form
foliate	foliate	53	obovate	41	Form
Simple, Leaflets	Simple, Leaflets	54	obovate	42	Form
Gen., Outline	Gen., Outline	55	obovate	43	Form
filiform	filiform	56	obovate	44	Form
acicular	acicular	57	obovate	45	Form
acrose	acrose	58	obovate	46	Form
subulate	subulate	59	obovate	47	Form
linear	linear	60	obovate	48	Form
lancoolate	lancoolate	61	obovate	49	Form
obovate	obovate	62	obovate	50	Form
Special Forms	Special Forms	63	obovate	51	Form
suckers	suckers	64	obovate	52	Form
offsets	offsets	65	obovate	53	Form
runners	runners	66	obovate	54	Form
tendrils	tendrils	67	obovate	55	Form
thorns	thorns	68	obovate	56	Form
Gen. Char.	Gen. Char.	69	obovate	57	Form
striate	striate	70	obovate	58	Form
grooved	grooved	71	obovate	59	Form
angled	angled	72	obovate	60	Form
solid	solid	73	obovate	61	Form

...charify Texture	...versatile introrse pendulous Form	...included exserted	...Surface, a. b. . . c. . .
Calyx, Corolla			
Gamopetalous	...sepal petals	...Flacotation free-central parietal	...Don. Character ribbed grooved furrowed
...rotate	...Form		SEED
...cup-shaped	...sepal petals		...Number
...campanulate	a. b. . . c. . . d. . .		...Form
...funnel-form	...spurred		...oblong ovate
...silver-form	...petals		...ovoid
...urn-shaped	a. b. . . c. . . d. . .		
...top-shalved			
Aestivation			
...tubular	...open		
...ligulate	...valvate		
...lobate	...induplicate		
...galeate	...reduplicate		
...ringent	...imbriate		
...personate	...contorted		
...spurred	...convolute		
...inlaid	...picate		
...saccate	...supervolute		
Boiter			
...truncate			
...entire			
...lobed			
...cleft			
...parted			
Pappus			
...cup			
...seeds			
...awns			
...bristles			
Pappus			
...resacous			
Polyptalous			
...iliacous			
...cradlerous			
...carophyllacous			
...papilionaceous			
...amomous			
Duration			
...deciduous			
...marcescent			
...persistent			
Color			
...calyx			
...corolla			
Struce			
...calyx			
...ribbed			
...nerved			
...corolla			
...throat			
Texture			
	...capillary filiform	...No. of Cells	...membranous coriaceous succulent
	...Surface, a. b. . . c. . .	...Form	...Texture
	...Gen. Features		

REMARKS:

ORDER:

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Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

DATE,

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CHECK TABLET.

GENERAL FEATURES.	habit.		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	122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..... chafy Texture	 sessile Calyx	 capitate apressed reflexed	 versatile intorse extorse pendulous	 included exserted	 Surface, a, b, c,
Calyx	Corolla	 sepals petals	 sagittate peltate awned	 Placentation axillary articular	 Color Gen. Character ribbed furrowed
..... rotate	 lobed	 sepals petals	 cordate obcordate oblong	Ovules	SEED
..... cup-shaped	 spurred	 d	 lobed	 orthotropous	 Number
..... campanulate	 petals	 c	 lateral	 campylotropous	 Form
..... funnel-form	 d	 d	 Dehiscence	 autropous	 oblong
..... silver-form	 d	 d	 lateral	 amphitropous	 ovate
..... urn-shaped	 d	 d	 Pollen	 in Ovary	 ovoid
..... top-shaped	Aestivation	 open	 Pollinia	Attachment	 sessile
..... tubular	 valvate	 imbricate	Pistil	 ascending	 funiculate
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..... ringent	 plicate	 superovulv	 open	 Number	 Color
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..... spurred	 Number	 alternate	 simple	 Dehiscence	Appendages
..... sacate	 Position	 opposite	 multiple	 loculicidal	 and
Border	 Number	 hypogynous	 compound	 circumscissile	 caruncle
..... truncate	 Position	 perigynous	 Sigma	 Kinds	 strophile
..... entire	 alternate	 gynandrous	 Partition	 Berry	 wing
..... lobed	 opposite	 on a disk	 lateral	 pome	 coma
..... cleft	 laceration	 epipetalous	 sessile	 Stone	Albumen
..... parted	 hypogynous	 Length	 Form	 drupe	 quantity
Papery	 cap	 long	 linear	Embryo	 Texture
..... scales	 avers	 short	 Style	 Form	 Color
..... bristles	 didynamous	 tetradynamous	 Filiform	 straight	 bent
Pooped us	 tetradynamous	 cohesion	 branchin	 rolled	 Size
Polyteticus	 monothous	 synstichous	 declinate	 Position into Albumen	 outside
..... viscosous	 deciduous	 Gen. Features	 Position	 inside	 Radicle
..... hirscent	 marcescent	 included	 terminal	 Direction	 Length
..... cruciferous	 persistent	 exserted	 lateral	 Aggregate	 Number
..... curvifoliateous	 Color	 sessile	 basilar	 Accessory	 Position
..... papilionaceous	 Color	 connivent	 Number	 Multiple	 Consistency
..... monomalous	 corolla	 Filament	 Surface, a, b, c,	 No. of Cells	 Form
Duration	 deciduous	 capillary	 Ovary	 Odor	 Texture
..... marcescent	 persistent	 filiform	 Adhesion	 Taste	 Number
..... Color	 calyx	 Surface, a, b, c,	 superior	 Pelticarp	 Texture
..... corolla	 ribbed	 Arther	 half-superior	 membraneous	 carious
..... throat	 Texture	 Surface, a, b, c,	 inferior	 succulent	
		 Gen. Features	 Form		

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

DATE,

187.

CHECK TABLET.

GENERAL FEATURES. Habit.	terrestrial	8	spatulate	4	villous	 symmetrical
	aquatic	9	oblong	5	slimy	 complete
	terrestrial	10	elliptical	6	wooly	 perfect
	aquatic	11	oval	7	velvety	 regular
	terrestrial	12	round	8		 staminate
	aquatic	13	ovate	9	scarious	 pistillate
	terrestrial	14	obovate	1	hispid	 neutral
	aquatic	15	cuneate	2	spinous	 aculeate
	terrestrial	16	caudex	3		.....
	aquatic	17	rhizoma	4	prickly	.....
Duration	annual	18	acuminate	5		 merous
	biennial	19	acule	6		.....
Odor	perennial	20	obtus	7		 peduncle
		21	truncate	8		 Surface, a, b, c, e.
Juice	Color	22	retuse	9		 Petiole
	Taste	23	emarginate	10		 Length
Form	Gen. Char.	24	cordate	1		 Scap
		25	auriculate	2		 Height
ROOT.	conical	26	basate	3		 Surface, a, b, c, e.
	fusiform	27	rostriform	4		 Involute
Gen. Char.	napiform	28	disping	5		 Form
	ramose	29	conate	6		 Length
Nature	solvent	30	decurent	7		 Kind
	fibrous	31	aristate	8		 Height
Stem.	fasciculate	32	acuminate	9		 Surface, a, b, c, e.
	aerial	33	acute	10		 Involute
Stem.	erect	34	obtus	11		 Form
	exogenous	35	truncate	12		 Length
Stem.	endogenous	36	retuse	13		 Kind
	herbaceous	37	emarginate	14		 Height
Nature	suffrutescent	38	obcordate	15		 Surface, a, b, c, e.
	suffrutescent	39	cuspidate	16		 Involute
Dir. of Growth	erect	40	micronate	17		 Form
	ascending	41	aristate	18		 Length
Stem.	decumbent	42	entire	19		 Kind
	diffuse	43	errate	20		 Height
Branching	prostrate	44	dentate	21		 Surface, a, b, c, e.
	creeping	45	errate	22		 Involute
Stem.	climbing	46	recond	23		 Form
	twining	47	curved	24		 Length
Stem.	simple	48	transverse	25		 Kind
	simple	49	longed	26		 Height
Stem.	furcate	50	clilate	27		 Surface, a, b, c, e.
	excurrent	51	serulate	28		 Involute
Stem.	racemose	52	lobed	29		 Form
	paniculate	53	clat	30		 Length
Stem.	corymbose	54	parted	31		 Kind
	diffuse	55	pectinate	32		 Height
Stem.	deliquescent	56	lyrate	33		 Surface, a, b, c, e.
		57	ruminate	34		 Involute
Stem.	suckers	58	divided	35		 Form
	stolons	59	revolute	36		 Length
Stem.	runners	60	acuminate	37		 Kind
	tenacils	61	obtus	38		 Height
Stem.	thornis	62	truncate	39		 Surface, a, b, c, e.
	terete	63	retuse	40		 Involute
Stem.	striate	64	auriculate	41		 Form
	grooved	65	basate	42		 Length
Stem.	angled.	66	rostriform	43		 Kind
	solid	67	disping	44		 Height

CHECK TABLE.

GENERAL FEATURES

Habit.

.....terrestrial
.....aquatic
.....parasitic
.....aerial
Duration
.....annual
.....biennial
.....perennial

Odor

Juice
.....Color
.....Taste
Gen. Char.
Form

.....conical
.....fusiform
.....nupiform
.....rhizome
.....solvent
.....fibrous
.....fasciculate
.....aerial

Gen. Char.

STEM.

.....exogenous
.....endogenous
Texture
.....herbaceous
.....suffrutescent
.....fruticose
.....arborescent
.....arborescent
Dir. of Growth

.....erect
.....ascending
.....decumbent
.....diffuse
.....prostrate
.....creeping
.....climbing
.....twining
Branching
.....simple
.....simple
.....furcate
.....excurrent
.....racemose
.....paniculate
.....corymbose
.....diffuse

.....deliquescent
Special Forms
.....stolons
.....suckers
.....offsets
.....runners
.....caudex
.....rhizome
Gen. Char.
.....terete
.....striate
.....grooved
.....angled
.....solid

.....hollow
.....flexuose
.....geniculate
.....tubed joint
Surface
.....a. b. c.
.....ovate
.....obovate
.....cuneate
.....b. *Bases*

.....acuminate
.....acute
.....obtus
.....truncate
.....reduced
.....emarginate
.....cordate
.....articulate
.....sagittate
.....lanceolate
.....peltate
.....reniform
.....clashing
.....comate
.....decurrent
.....c. *Apex*

.....acuminate
.....rostrate
.....fasciculate
.....opposite
.....verticillate
Duration
.....persistent
.....deciduous
Vernation
Texture

.....succulent
.....coriaceous
.....rugose
Venation
.....straight
.....straight
.....curved
.....transverse
Netted
.....pinnate
.....3-nerved
.....5-nerved
.....radiate

.....pinnate
.....3-nerved
.....5-nerved
.....radiate
Form
.....Compound
.....pinnate
.....pinnate
.....foliate
Simple, Leaflets
Gen. Outline
.....1
.....2
.....3
.....4
.....5

.....glabrous
.....glauous
.....punctate
.....verrucose
Soft Hairs
.....1
.....2
.....3
.....4
.....5
Surface
.....a. No hairs
.....1
.....2
.....3
.....4
.....5
Axillary
.....divided

.....lobed
.....ciliate
.....serulate
.....lobed
.....cleft
.....parted
.....pennate
.....bracte
.....runcinate
.....divided
Surface
.....a. No hairs
.....1
.....2
.....3
.....4
.....5
Soft Hairs
.....1
.....2
.....3
.....4
.....5
Flower
.....pubescent
.....pilose
.....pubescent
.....pilose

.....villous
.....silty
.....wooly
.....velvety
Cuff Hairs
.....1
.....2
.....3
.....4
.....5
Petiole
.....Form
.....1
.....2
.....3
.....4
.....5
Stipules
.....Form
.....1
.....2
.....3
.....4
.....5
Bracts
.....Form
.....1
.....2
.....3
.....4
.....5
Receptacle
.....Form
.....1
.....2
.....3
.....4
.....5
Flower
.....Kinds

.....globose
.....grooved
.....compressed
.....tub-like
.....margined
.....clashing
.....sheathing
Surface
.....a. b. c. d.
.....1
.....2
.....3
.....4
.....5
Stipules
.....Form
.....1
.....2
.....3
.....4
.....5
Bracts
.....Form
.....1
.....2
.....3
.....4
.....5
Receptacle
.....Form
.....1
.....2
.....3
.....4
.....5
Flower
.....Kinds

.....globose
.....grooved
.....compressed
.....tub-like
.....margined
.....clashing
.....sheathing
Surface
.....a. b. c. d.
.....1
.....2
.....3
.....4
.....5
Stipules
.....Form
.....1
.....2
.....3
.....4
.....5
Bracts
.....Form
.....1
.....2
.....3
.....4
.....5
Receptacle
.....Form
.....1
.....2
.....3
.....4
.....5
Flower
.....Kinds

.....globose
.....grooved
.....compressed
.....tub-like
.....margined
.....clashing
.....sheathing
Surface
.....a. b. c. d.
.....1
.....2
.....3
.....4
.....5
Stipules
.....Form
.....1
.....2
.....3
.....4
.....5
Bracts
.....Form
.....1
.....2
.....3
.....4
.....5
Receptacle
.....Form
.....1
.....2
.....3
.....4
.....5
Flower
.....Kinds

.....globose
.....grooved
.....compressed
.....tub-like
.....margined
.....clashing
.....sheathing
Surface
.....a. b. c. d.
.....1
.....2
.....3
.....4
.....5
Stipules
.....Form
.....1
.....2
.....3
.....4
.....5
Bracts
.....Form
.....1
.....2
.....3
.....4
.....5
Receptacle
.....Form
.....1
.....2
.....3
.....4
.....5
Flower
.....Kinds

.....globose
.....grooved
.....compressed
.....tub-like
.....margined
.....clashing
.....sheathing
Surface
.....a. b. c. d.
.....1
.....2
.....3
.....4
.....5
Stipules
.....Form
.....1
.....2
.....3
.....4
.....5
Bracts
.....Form
.....1
.....2
.....3
.....4
.....5
Receptacle
.....Form
.....1
.....2
.....3
.....4
.....5
Flower
.....Kinds

.....globose
.....grooved
.....compressed
.....tub-like
.....margined
.....clashing
.....sheathing
Surface
.....a. b. c. d.
.....1
.....2
.....3
.....4
.....5
Stipules
.....Form
.....1
.....2
.....3
.....4
.....5
Bracts
.....Form
.....1
.....2
.....3
.....4
.....5
Receptacle
.....Form
.....1
.....2
.....3
.....4
.....5
Flower
.....Kinds

Chauffy Texture	Stipule, Petiole appressed spreading reflexed	versatile infrorse extrorse pendulous form	included exserted	Surface, a. b. c.
Calyx-Corolla				Color
Campanulaceous	sepalis petalis	sepalitate petalate awned cordate lobed	free-central axillary parietal	Gen. Character ribbed grooved furrowed
rotate	Form			SEED Number
saucer-shaped	sepalis a. b. c. d.	sepalis a. b. c. d.		Form
cup-shaped	spuried	spuried		oblong ovate ovoid
campanulate	petalis a. b. c. d.	petalis a. b. c. d.		Attachment
funnel-form				sessile funiculate
silver-form				Coats
urn-shaped				Surface, a. b. c.
top-shaped				Texture
tubular	Aestivation	open		FRUIT
ligulate	open	valvate		Dehiscence
lobulate	reduplicate	reduplicate		sepaloid loculicidal
bilobate	imbricate	imbricate		sepaloid circumscissile
galeate	contorted	contorted		Appendages
rimose	convolute	convolute		anther caruncle
personate	plicate	plicate		caruncle siliolate wing coma
spurred	supercilios.	supercilios.		Albumen
indented				quantity
saccate				Texture
Bract				Color
truncate	Stamens	Number		Embryo
entire	Number	Position		form straight bent rolled
lobed	Position	terminal lateral		
clef	alternate	terminal		
parted	opposite	sessile		
Pistil	Insertion	hypogynous epigynous perigynous		
cup	in a disk	epigynous perigynous		
scaly	epicalitous	epicalitous		
bristles	Length	long		
Pericarp				
Polysperous				
Polysperous				
rosaceous				
cruciferous				
cruciferous				
curculionaceous				
papilionaceous				
anomalous				
Duration				
deciduous				
marcescent				
persistent				
Color				
calyx				
corolla				
Surface				
calyx				
ribbed				
nerved				
corolla				
throat				
Texture				

REMARKS:

ORDER:

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

DATE,

No.

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CHECK TABLET.

GENERAL FEATURES.	hollow	8	spatulate	4	villous	 symmetrical
	flexuose	9	oblong	5	silky	 complete
	geminate	10	elliptical	6	wooly	 perfect
	tumid joint	11	oval	7	velvety	 regular
Surface	a	12	round	8	 staminate	 pistillate
	b, c	13	ovate	9	 scabrous	 neutral
	.....	14	obovate	10	 hispid	.....
	.....	15	uncinate	11	 spinous	.....
Color	.....	16	.....	12	 prickly	.....
	.....	17	.....	13	.....	.....
	.....	18	.....	14	.....	.....
	.....	19	.....	15	.....	.....
Duration	.....	20	.....	16	.....	.....
	.....	21	.....	17	.....	.....
	.....	22	.....	18	.....	.....
	.....	23	.....	19	.....	.....
Odor	.....	24	.....	20	.....	.....
	.....	25	.....	21	.....	.....
	.....	26	.....	22	.....	.....
	.....	27	.....	23	.....	.....
Juice	.....	28	.....	24	.....	.....
	.....	29	.....	25	.....	.....
	.....	30	.....	26	.....	.....
	.....	31	.....	27	.....	.....
Taste	.....	32	.....	28	.....	.....
	.....	33	.....	29	.....	.....
	.....	34	.....	30	.....	.....
	.....	35	.....	31	.....	.....
Gen. Char.	.....	36	.....	32	.....	.....
	.....	37	.....	33	.....	.....
	.....	38	.....	34	.....	.....
	.....	39	.....	35	.....	.....
STEM.	.....	40	.....	36	.....	.....
	.....	41	.....	37	.....	.....
	.....	42	.....	38	.....	.....
	.....	43	.....	39	.....	.....
Texture	.....	44	.....	40	.....	.....
	.....	45	.....	41	.....	.....
	.....	46	.....	42	.....	.....
	.....	47	.....	43	.....	.....
Vegetation	.....	48	.....	44	.....	.....
	.....	49	.....	45	.....	.....
	.....	50	.....	46	.....	.....
	.....	51	.....	47	.....	.....
Form	.....	52	.....	48	.....	.....
	.....	53	.....	49	.....	.....
	.....	54	.....	50	.....	.....
	.....	55	.....	51	.....	.....
Special Forms	.....	56	.....	52	.....	.....
	.....	57	.....	53	.....	.....
	.....	58	.....	54	.....	.....
	.....	59	.....	55	.....	.....
Gen. Char.	.....	60	.....	56	.....	.....
	.....	61	.....	57	.....	.....
	.....	62	.....	58	.....	.....
	.....	63	.....	59	.....	.....
Flower.	.....	64	.....	60	.....	.....
	.....	65	.....	61	.....	.....
	.....	66	.....	62	.....	.....
	.....	67	.....	63	.....	.....
Stem.	.....	68	.....	64	.....	.....
	.....	69	.....	65	.....	.....
	.....	70	.....	66	.....	.....
	.....	71	.....	67	.....	.....
Flower.	.....	72	.....	68	.....	.....
	.....	73	.....	69	.....	.....
	.....	74	.....	70	.....	.....
	.....	75	.....	71	.....	.....
Stem.	.....	76	.....	72	.....	.....
	.....	77	.....	73	.....	.....
	.....	78	.....	74	.....	.....
	.....	79	.....	75	.....	.....
Flower.	.....	80	.....	76	.....	.....
	.....	81	.....	77	.....	.....
	.....	82	.....	78	.....	.....
	.....	83	.....	79	.....	.....
Stem.	.....	84	.....	80	.....	.....
	.....	85	.....	81	.....	.....
	.....	86	.....	82	.....	.....
	.....	87	.....	83	.....	.....
Flower.	.....	88	.....	84	.....	.....
	.....	89	.....	85	.....	.....
	.....	90	.....	86	.....	.....
	.....	91	.....	87	.....	.....
Stem.	.....	92	.....	88	.....	.....
	.....	93	.....	89	.....	.....
	.....	94	.....	90	.....	.....
	.....	95	.....	91	.....	.....
Flower.	.....	96	.....	92	.....	.....
	.....	97	.....	93	.....	.....
	.....	98	.....	94	.....	.....
	.....	99	.....	95	.....	.....
Stem.	.....	100	.....	96	.....	.....
	.....	101	.....	97	.....	.....
	.....	102	.....	98	.....	.....
	.....	103	.....	99	.....	.....
Flower.	.....	104	.....	100	.....	.....
	.....	105	.....	101	.....	.....
	.....	106	.....	102	.....	.....
	.....	107	.....	103	.....	.....
Stem.	.....	108	.....	104	.....	.....
	.....	109	.....	105	.....	.....
	.....	110	.....	106	.....	.....
	.....	111	.....	107	.....	.....
Flower.	.....	112	.....	108	.....	.....
	.....	113	.....	109	.....	.....
	.....	114	.....	110	.....	.....
	.....	115	.....	111	.....	.....
Stem.	.....	116	.....	112	.....	.....
	.....	117	.....	113	.....	.....
	.....	118	.....	114	.....	.....
	.....	119	.....	115	.....	.....
Flower.	.....	120	.....	116	.....	.....
	.....	121	.....	117	.....	.....
	.....	122	.....	118	.....	.....
	.....	123	.....	119	.....	.....
Stem.	.....	124	.....	120	.....	.....
	.....	125	.....	121	.....	.....
	.....	126	.....	122	.....	.....
	.....	127	.....	123	.....	.....
Flower.	.....	128	.....	124	.....	.....
	.....	129	.....	125	.....	.....
	.....	130	.....	126	.....	.....
	.....	131	.....	127	.....	.....
Stem.	.....	132	.....	128	.....	.....
	.....	133	.....	129	.....	.....
	.....	134	.....	130	.....	.....
	.....	135	.....	131	.....	.....
Flower.	.....	136	.....	132	.....	.....
	.....	137	.....	133	.....	.....
	.....	138	.....	134	.....	.....
	.....	139	.....	135	.....	.....
Stem.	.....	140	.....	136	.....	.....
	.....	141	.....	137	.....	.....
	.....	142	.....	138	.....	.....
	.....	143	.....	139	.....	.....
Flower.	.....	144	.....	140	.....	.....
	.....	145	.....	141	.....	.....
	.....	146	.....	142	.....	.....
	.....	147	.....	143	.....	.....
Stem.	.....	148	.....	144	.....	.....
	.....	149	.....	145	.....	.....
	.....	150	.....	146	.....	.....
	.....	151	.....	147	.....	.....
Flower.	.....	152	.....	148	.....	.....
	.....	153	.....	149	.....	.....
	.....	154	.....	150	.....	.....
	.....	155	.....	151	.....	.....
Stem.	.....	156	.....	152	.....	.....
	.....	157	.....	153	.....	.....
	.....	158	.....	154	.....	.....
	.....	159	.....	155	.....	.....
Flower.	.....	160	.....	156	.....	.....
	.....	161	.....	157	.....	.....
	.....	162	.....	158	.....	.....
	.....	163	.....	159	.....	.....
Stem.	.....	164	.....	160	.....	.....
	.....	165	.....	161	.....	.....
	.....	166	.....	162	.....	.....
	.....	167	.....	163	.....	.....
Flower.	.....	168	.....	164	.....	.....
	.....	169	.....	165	.....	.....
	.....	170	.....	166	.....	.....
	.....	171	.....	167	.....	.....
Stem.	.....	172	.....	168	.....	.....
	.....	173	.....	169	.....	.....
	.....	174	.....	170	.....	.....
	.....	175	.....	171	.....	.....
Flower.	.....	176	.....	172	.....	.....
	.....	177	.....	173	.....	.....
	.....	178	.....	174	.....	.....
	.....	179	.....	175	.....	.....
Stem.	.....	180	.....	176	.....	.....
	.....	181	.....	177	.....	.....
	.....	182	.....	178	.....	.....
	.....	183	.....	179	.....	.....
Flower.	.....	184	.....	180	.....	.....
	.....	185	.....	181	.....	.....
	.....	186	.....	182	.....	.....
	.....	187	.....	183	.....	.....
Stem.	.....	188	.....	184	.....	.....
	.....	189	.....	185	.....	.....
	.....	190	.....	186	.....	.....
	.....	191	.....	187	.....	.....
Flower.	.....	192	.....	188	.....	.....
	.....	193	.....	189	.....	.....
	.....	194	.....	190	.....	.....
	.....	195	.....	191	.....	.....
Stem.	.....	196	.....	192	.....	.....
	.....	197	.....	193	.....	.....
	.....	198	.....	194	.....	.....
	.....	199	.....	195	.....	.....
Flower.	.....	200	.....	196	.....	.....
	.....	201	.....	197	.....	.....
	.....	202	.....	198	.....	.....
	.....	203	.....	199	.....	.....
Stem.	.....	204	.....	200	.....	.....
	.....	205	.....	201	.....	.....
	.....	206	.....	202	.....	.....
	.....	207	.....	203	.....	.....
Flower.	.....	208	.....	204	.....	.....
	.....	209	.....	205	.....	.....
	.....	210	.....	206	.....	.....
	.....	211	.....	207	.....	.....
Stem.	.....	212	.....	208	.....	.....
	.....	213	.....	209	.....	.....
	.....	214	.....	210	.....	.....
	.....	215	.....	211	.....	.....
Flower.	.....	216	.....	212	.....	.....
	.....	217	.....	213	.....	.....
	.....	218	.....	214	.....	.....
	.....	219	.....	215	.....	.....
Stem.	.....	220	.....	216	.....	.....
	.....	221	.....	217	.....	.....
	.....	222	.....	218	.....	.....
	.....	223	.....	219	.....	.....
Flower.	.....	224	.....	220	.....	.....
	.....	225	.....	221	.....	.....
	.....	226	.....	222	.....	.....
	.....	227	.....	223	.....	.....
Stem.	.....	228	.....	224	.....	.....
	.....	229	.....	225	.....	.....
	.....	230	.....	226	.....	.....
	.....	231	.....	227	.....	.....
Flower.	.....	232	.....	228	.....	.....
	.....	233	.....	229	.....	.....
	.....	234	.....	230	.....	.....
	.....	235	.....	231	.....	.....
Stem.	.....	236	.....	232	.....	.....
	.....	237	.....	233	.....	.....
	.....	238	.....	234	.....	.....
	.....	239	.....	235	.....	.....
Flower.	.....	240	.....	236	.....	.....
	.....	241	.....	237	.....	.....
	.....	242	.....	238	.....	.....
	.....	243	.....	239	.....	.....
Stem.	.....	244	.....	240	.....	.....
	.....	245	.....	241	.....	.....
	.....	246	.....	242	.....	.....
	.....	247	.....	243	.....	.....
Flower.	.....	248	.....	244	.....	.....
	.....	249	.....	245	.....	.....
	.....	250	.....	246	.....	.....
	.....	251	.....	247	.....	.....
Stem.	.....	252	.....	248	.....	.....
	.....	253	.....	249	.....	.....
	.....	254	.....	250	.....	.....
	.....	255	.....	251	.....	.....
Flower.	.....	256	.....	252	.....	.....
	.....	257	.....	253	.....	.....
	.....	258	.....	254	.....	.....
	.....	259	.....	255	.....	.....
Stem.	.....	260	.....	256	.....	.....
	.....	261	.....	257	.....	.....
	.....	262	.....	258	.....	.....
	.....	263	.....	259	.....	.....
Flower.	.....	264	.....	260	.....	.....
	.....	265	.....	261	.....	.....
	.....	266	.....	262	.....	.....
	.....	267	.....	263	.....	.....
Stem.	.....	268	.....	264	.....	.....
	.....	269	.....	265	.....	.....
	.....	270	.....	266	.....	.....
	.....	271	.....	267	.....	.....

chaffy Texture	Sepals, Total spread reflexed	versatile intorse pendulous	included exserted	Surface, a, b, c.
Calyx-Corolla Camisopalous Camptolous	sepals petals Form saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate labiate galeate ringent personate spurred inflated saccate	petals petals Form saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate labiate galeate ringent personate spurred inflated saccate	Placitation free-central axillary parietal	Color Gen. Character grooved ribbed furrowed
	a, b, c, d. spurred petals a, b, c, d.	petals petals Form saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate labiate galeate ringent personate spurred inflated saccate	Ovules kind campylotropous campylotropous androgonous amphitropous Dir. in Ovary ascending horizontal pendulous suspended	SEED Number Form oblong oblong ovoid
	Aestivation open valvate induplicate reduplicate imbricate concolorate convolute plicate supervolv.	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Attachment sessile imbricate
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Coats Surface, a, b, c.
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Color Texture
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Appendages anther coruncle strophole wing coma
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Albumen Quantity Texture Color
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Embryo Form straight bent rolled
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Size Position as to Albumen outside inside
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Direction Length
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Plumule Number Position
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Coatodems Form
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Size Number Texture
	Stamens Number Position opposite Insertion hypogynous perigynous epigynous on a disk epipetalous	Pistil Kinds closed open Chobion simple multiple compound	Dr. in Ovary ascending horizontal pendulous suspended	Texture

REMARKS:

ORDER:

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

DATE,

No.

CHECK TABLE.

GENERAL FEATURES. Habit.	terrestrial	1	.....	4	.....	villous	1	.....	symmetrical
	 aquatic	2	.....	5	.....	sulky	2	.....	..... complete
	 parasitic	3	.....	6	.....	wooly	3	.....	..... pericet
Duration	 aerial	4	.....	7	.....	velvety	4	.....	..... staminate
	 annual	5	.....	8	.....	.....	5	.....	..... pistillate
	 biennial	6	.....	9	.....	.....	6	.....	..... neutral
Odor	 perennial	7	.....	10	.....	.....	7	.....	.....
	.....	8	.....	11	.....	.....	8	.....	.....
	.....	9	.....	12	.....	.....	9	.....	.....
Juice	.....	10	.....	13	.....	.....	10	.....	.....
	.....	11	.....	14	.....	.....	11	.....	.....
	.....	12	.....	15	.....	.....	12	.....	.....
ROOT.	.....	13	.....	16	.....	.....	13	.....	.....
	.....	14	.....	17	.....	.....	14	.....	.....
	.....	15	.....	18	.....	.....	15	.....	.....
Form	.....	16	.....	19	.....	.....	16	.....	.....
	.....	17	.....	20	.....	.....	17	.....	.....
	.....	18	.....	21	.....	.....	18	.....	.....
Gen. Char.	.....	19	.....	22	.....	.....	19	.....	.....
	.....	20	.....	23	.....	.....	20	.....	.....
	.....	21	.....	24	.....	.....	21	.....	.....
STEM.	.....	22	.....	25	.....	.....	22	.....	.....
	.....	23	.....	26	.....	.....	23	.....	.....
	.....	24	.....	27	.....	.....	24	.....	.....
Mature	.....	25	.....	28	.....	.....	25	.....	.....
	.....	26	.....	29	.....	.....	26	.....	.....
	.....	27	.....	30	.....	.....	27	.....	.....
Dir. of Growth	.....	28	.....	31	.....	.....	28	.....	.....
	.....	29	.....	32	.....	.....	29	.....	.....
	.....	30	.....	33	.....	.....	30	.....	.....
Texture	.....	31	.....	34	.....	.....	31	.....	.....
	.....	32	.....	35	.....	.....	32	.....	.....
	.....	33	.....	36	.....	.....	33	.....	.....
Venation.	.....	34	.....	37	.....	.....	34	.....	.....
	.....	35	.....	38	.....	.....	35	.....	.....
	.....	36	.....	39	.....	.....	36	.....	.....
Branching	.....	37	.....	40	.....	.....	37	.....	.....
	.....	38	.....	41	.....	.....	38	.....	.....
	.....	39	.....	42	.....	.....	39	.....	.....
Form.	.....	40	.....	43	.....	.....	40	.....	.....
	.....	41	.....	44	.....	.....	41	.....	.....
	.....	42	.....	45	.....	.....	42	.....	.....
Special Forms	.....	43	.....	46	.....	.....	43	.....	.....
	.....	44	.....	47	.....	.....	44	.....	.....
	.....	45	.....	48	.....	.....	45	.....	.....
Gen. Char.	.....	46	.....	49	.....	.....	46	.....	.....
	.....	47	.....	50	.....	.....	47	.....	.....
	.....	48	.....	51	.....	.....	48	.....	.....
Surface	.....	49	.....	52	.....	.....	49	.....	.....
	.....	50	.....	53	.....	.....	50	.....	.....
	.....	51	.....	54	.....	.....	51	.....	.....
Soft Parts	.....	52	.....	55	.....	.....	52	.....	.....
	.....	53	.....	56	.....	.....	53	.....	.....
	.....	54	.....	57	.....	.....	54	.....	.....
Flowers.	.....	55	.....	58	.....	.....	55	.....	.....
	.....	56	.....	59	.....	.....	56	.....	.....
	.....	57	.....	60	.....	.....	57	.....	.....
Kinds	.....	58	.....	61	.....	.....	58	.....	.....
	.....	59	.....	62	.....	.....	59	.....	.....
	.....	60	.....	63	.....	.....	60	.....	.....

.....chaffy Texture	included.....exserted	versatile.....nitrose.....pendulous.....sessile.....stipitate.....petiolate.....twined.....cordate.....lobed.....No. of Cells..... .....Dehiscence..... .....lateral	included.....exserted	Surface, a. b. . . c. . . .....Color
Calyx-Corollacampanulatecampanuloidsaucer-shapedcup-shapedcampanulatefunnel-formsilver-formurn-shapedtop-shapedtubularligulatebilabiategaleateringentpersonatespurredinflatedsaccate	Sepals, PetalsappressedspreadingreflexedsepalspetalsFormsepalsa. . . b. . . c. . . d.spurredpetalsa. . . b. . . c. . . d. . .	StamensNumberpositionoppositeincurvedperigynousepigynouson a diskepipetalousLengthlongshortdidynamoustetradynamousChalcidadelphoussyngenesiousincludedexsertedsessileconviventFilamentFormcapillaryfiliformSurface, a. b. . . c.Attachmentinnateadnate	OvulesKindorthotropouscampylotropousanatropousamphitropousDr. in OvaryerectascendinghorizontalpenduloussuspendedNumberFruitDehiscencesepticidalloculicidalsuperficialcircumscissileKindsTorchyberrypepopompeCirciodrupeDryachniumarticlesamarafolliclelegumecapsulesiliquesiliquapyxisAggregateAccessoryMultipleNo. of CellsOdorTastePericarpTexturemembranouscoriaceoussucculent	SEEDNumberFormoblongovoidAttachmentsessilefuniculateCoatsSurface, a. b. . . c.ColorTextureAppendagesarilcarunclestropholewingcomaAlbumenquantityTextureColorEmbryoFormstraightbeakrolledSizePosition as to AlbumenoutsideinsideRadicleDirectionLengthPlumuleNumberPositionCotyledonsFormSizeNumberTexture

REMARKS:

ORDER :

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

DATE,

No.

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CHECK TABLET.

GENERAL FEATURES. Habit.	1 hollow	8 spatulate	4 villous	 symmetrical	
	5 flexuose	9 oblong	5 silky	 complete	
	6 geniculate	10 elliptical	6 woolly	 perfect	
	7 tumid joint	11 oval	7 velvety	 regular	
	Surface.	Color.	Underground	Gen. Char.	Form.
	13 a. b. c	13 ovate	1 scabrous	 pistillate	
	Duration.	Gen. Char.	Odor.	Plan	Stalk
	15 p. stipulate	15 cuneate	3 acuminate		
Form.	Odor.	Plan	Stalk	Refund	
					16 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					17 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					18 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					19 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					20 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					21 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					22 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					23 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					24 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					25 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					26 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					27 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					28 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					29 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					30 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					31 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					32 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					33 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					34 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					35 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					36 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					37 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					38 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					39 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					40 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					41 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					42 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					43 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					44 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					45 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					46 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					47 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					48 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					49 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					50 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					51 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					52 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					53 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					54 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					55 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					56 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					57 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					58 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					59 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					60 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					61 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					62 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					63 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					64 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					65 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					66 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					67 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					68 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					69 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					70 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					71 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					72 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					73 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					74 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					75 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					76 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					77 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					78 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					79 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					80 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					81 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					82 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					83 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					84 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					85 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					86 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					87 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					88 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					89 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					90 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					91 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					92 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					93 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					94 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					95 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					96 exstipulate
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					97 equitant
Flower.	Stipules	Stipules	Length.	Surface.	
					98 sessile
Gen. Char.	Stem.	Stipules	Length.	Surface.	
					99 p. stipulate
Flower.	Stipules	Stipules	Length.	Surface.	
					100 exstipulate

CHECK TABLET.

GENERAL FEATURES.	Habit.	terrestrial	8	spatulate	4	symmetrical	.....
		aquatic	9	oblong	5	complete	.....
		parasitic	10	elliptical	6	perfect	.....
Duration	Surface	aerial	11	oval	7	regular	.....
		annual	12	round	8	stipulate	.....
		perennial	13	ovate	9	pistillate	.....
Odor	Color	.....	14	cuneate	1	neutral	.....
		.....	15	.....	2	.....	.....
		.....	16	.....	3	.....	.....
Underground	Height	.....	17	.....	4	.....	.....
		.....	18	.....	5	.....	.....
		.....	19	.....	6	.....	.....
Leaves.	Base	.....	20	.....	7	.....	.....
		.....	21	.....	8	.....	.....
		.....	22	.....	9	.....	.....
Kinds	Stipules	.....	23	.....	10	.....	.....
		.....	24	.....	11	.....	.....
		.....	25	.....	12	.....	.....
Arrangement	Stipules	.....	26	.....	13	.....	.....
		.....	27	.....	14	.....	.....
		.....	28	.....	15	.....	.....
On the Stem.	Stipules	.....	29	.....	16	.....	.....
		.....	30	.....	17	.....	.....
		.....	31	.....	18	.....	.....
Along the Axis.	Stipules	.....	32	.....	19	.....	.....
		.....	33	.....	20	.....	.....
		.....	34	.....	21	.....	.....
Gen. Char.	Stipules	.....	35	.....	22	.....	.....
		.....	36	.....	23	.....	.....
		.....	37	.....	24	.....	.....
Form	Stipules	.....	38	.....	25	.....	.....
		.....	39	.....	26	.....	.....
		.....	40	.....	27	.....	.....
Stem.	Stipules	.....	41	.....	28	.....	.....
		.....	42	.....	29	.....	.....
		.....	43	.....	30	.....	.....
Nature	Stipules	.....	44	.....	31	.....	.....
		.....	45	.....	32	.....	.....
		.....	46	.....	33	.....	.....
Dir. of Growth	Stipules	.....	47	.....	34	.....	.....
		.....	48	.....	35	.....	.....
		.....	49	.....	36	.....	.....
Branching	Stipules	.....	50	.....	37	.....	.....
		.....	51	.....	38	.....	.....
		.....	52	.....	39	.....	.....
Special Forms	Stipules	.....	53	.....	40	.....	.....
		.....	54	.....	41	.....	.....
		.....	55	.....	42	.....	.....
Gen. Char.	Stipules	.....	56	.....	43	.....	.....
		.....	57	.....	44	.....	.....
		.....	58	.....	45	.....	.....
Flower.	Stipules	.....	59	.....	46	.....	.....
		.....	60	.....	47	.....	.....
		.....	61	.....	48	.....	.....
Receptacle	Stipules	.....	62	.....	49	.....	.....
		.....	63	.....	50	.....	.....
		.....	64	.....	51	.....	.....
Flower.	Stipules	.....	65	.....	52	.....	.....
		.....	66	.....	53	.....	.....
		.....	67	.....	54	.....	.....
Receptacle	Stipules	.....	68	.....	55	.....	.....
		.....	69	.....	56	.....	.....
		.....	70	.....	57	.....	.....
Flower.	Stipules	.....	71	.....	58	.....	.....
		.....	72	.....	59	.....	.....
		.....	73	.....	60	.....	.....
Receptacle	Stipules	.....	74	.....	61	.....	.....
		.....	75	.....	62	.....	.....
		.....	76	.....	63	.....	.....
Flower.	Stipules	.....	77	.....	64	.....	.....
		.....	78	.....	65	.....	.....
		.....	79	.....	66	.....	.....
Receptacle	Stipules	.....	80	.....	67	.....	.....
		.....	81	.....	68	.....	.....
		.....	82	.....	69	.....	.....
Flower.	Stipules	.....	83	.....	70	.....	.....
		.....	84	.....	71	.....	.....
		.....	85	.....	72	.....	.....
Receptacle	Stipules	.....	86	.....	73	.....	.....
		.....	87	.....	74	.....	.....
		.....	88	.....	75	.....	.....
Flower.	Stipules	.....	89	.....	76	.....	.....
		.....	90	.....	77	.....	.....
		.....	91	.....	78	.....	.....
Receptacle	Stipules	.....	92	.....	79	.....	.....
		.....	93	.....	80	.....	.....
		.....	94	.....	81	.....	.....
Flower.	Stipules	.....	95	.....	82	.....	.....
		.....	96	.....	83	.....	.....
		.....	97	.....	84	.....	.....
Receptacle	Stipules	.....	98	.....	85	.....	.....
		.....	99	.....	86	.....	.....
		.....	100	.....	87	.....	.....

CHECK TABLE.

GENERAL FEATURES.	Habit.	1 hollow	3 spatulate	4 villous	5 villous	6 complete	7 symmetrical
		8 flexuose	9 oblong	10 woolly	11 perfect	12 regular	13 sessile
		14 gland joint	15 oval	16 velvety	17 staminate	18 pistillate	19 neutral
Duration	Surface	20 a. b. c	21 round	22 scabrous	23 stipitate	24 sessile	25 sessile
		26 color	27 obovate	28 hispid	29 aculeate	30 spinous	31 prickly
		32 height	33 cuneate	34 mucous	35 mucous	36 mucous	37 mucous
Odor	Stalk	38 annual	39 bifid	40 petiole	41 petiole	42 petiole	43 petiole
		44 biennial	45 bulb	46 terete	47 terete	48 terete	49 terete
		50 perennial	51 tubercle	52 terete	53 terete	54 terete	55 terete
Color	Leaves.	56 tubercle	57 bulb	58 terete	59 terete	60 terete	61 terete
		62 tubercle	63 bulb	64 terete	65 terete	66 terete	67 terete
		68 tubercle	69 bulb	70 terete	71 terete	72 terete	73 terete
Form	Arrangement	74 tubercle	75 bulb	76 terete	77 terete	78 terete	79 terete
		80 tubercle	81 bulb	82 terete	83 terete	84 terete	85 terete
		86 tubercle	87 bulb	88 terete	89 terete	90 terete	91 terete
Gen. Char.	On the stem.	92 tubercle	93 bulb	94 terete	95 terete	96 terete	97 terete
		98 tubercle	99 bulb	100 terete	101 terete	102 terete	103 terete
		104 tubercle	105 bulb	106 terete	107 terete	108 terete	109 terete
Stem.	Duration	110 tubercle	111 bulb	112 terete	113 terete	114 terete	115 terete
		116 tubercle	117 bulb	118 terete	119 terete	120 terete	121 terete
		122 tubercle	123 bulb	124 terete	125 terete	126 terete	127 terete
Nature	Vernation	128 tubercle	129 bulb	130 terete	131 terete	132 terete	133 terete
		134 tubercle	135 bulb	136 terete	137 terete	138 terete	139 terete
		140 tubercle	141 bulb	142 terete	143 terete	144 terete	145 terete
Dir. of Growth	Texture	146 tubercle	147 bulb	148 terete	149 terete	150 terete	151 terete
		152 tubercle	153 bulb	154 terete	155 terete	156 terete	157 terete
		158 tubercle	159 bulb	160 terete	161 terete	162 terete	163 terete
Branching	Venation.	164 tubercle	165 bulb	166 terete	167 terete	168 terete	169 terete
		170 tubercle	171 bulb	172 terete	173 terete	174 terete	175 terete
		176 tubercle	177 bulb	178 terete	179 terete	180 terete	181 terete
Special Forms	Form.	182 tubercle	183 bulb	184 terete	185 terete	186 terete	187 terete
		188 tubercle	189 bulb	190 terete	191 terete	192 terete	193 terete
		194 tubercle	195 bulb	196 terete	197 terete	198 terete	199 terete
Gen. Char.	Simple, Leaves	200 tubercle	201 bulb	202 terete	203 terete	204 terete	205 terete
		206 tubercle	207 bulb	208 terete	209 terete	210 terete	211 terete
		212 tubercle	213 bulb	214 terete	215 terete	216 terete	217 terete
Gen. Char.	Gen., Outline	218 tubercle	219 bulb	220 terete	221 terete	222 terete	223 terete
		224 tubercle	225 bulb	226 terete	227 terete	228 terete	229 terete
		230 tubercle	231 bulb	232 terete	233 terete	234 terete	235 terete
Gen. Char.	Gen., Outline	236 tubercle	237 bulb	238 terete	239 terete	240 terete	241 terete
		242 tubercle	243 bulb	244 terete	245 terete	246 terete	247 terete
		248 tubercle	249 bulb	250 terete	251 terete	252 terete	253 terete
Gen. Char.	Gen., Outline	254 tubercle	255 bulb	256 terete	257 terete	258 terete	259 terete
		260 tubercle	261 bulb	262 terete	263 terete	264 terete	265 terete
		266 tubercle	267 bulb	268 terete	269 terete	270 terete	271 terete
Gen. Char.	Gen., Outline	272 tubercle	273 bulb	274 terete	275 terete	276 terete	277 terete
		278 tubercle	279 bulb	280 terete	281 terete	282 terete	283 terete
		284 tubercle	285 bulb	286 terete	287 terete	288 terete	289 terete
Gen. Char.	Gen., Outline	290 tubercle	291 bulb	292 terete	293 terete	294 terete	295 terete
		296 tubercle	297 bulb	298 terete	299 terete	300 terete	301 terete
		302 tubercle	303 bulb	304 terete	305 terete	306 terete	307 terete
Gen. Char.	Gen., Outline	308 tubercle	309 bulb	310 terete	311 terete	312 terete	313 terete
		314 tubercle	315 bulb	316 terete	317 terete	318 terete	319 terete
		320 tubercle	321 bulb	322 terete	323 terete	324 terete	325 terete
Gen. Char.	Gen., Outline	326 tubercle	327 bulb	328 terete	329 terete	330 terete	331 terete
		332 tubercle	333 bulb	334 terete	335 terete	336 terete	337 terete
		338 tubercle	339 bulb	340 terete	341 terete	342 terete	343 terete
Gen. Char.	Gen., Outline	344 tubercle	345 bulb	346 terete	347 terete	348 terete	349 terete
		350 tubercle	351 bulb	352 terete	353 terete	354 terete	355 terete
		356 tubercle	357 bulb	358 terete	359 terete	360 terete	361 terete
Gen. Char.	Gen., Outline	362 tubercle	363 bulb	364 terete	365 terete	366 terete	367 terete
		368 tubercle	369 bulb	370 terete	371 terete	372 terete	373 terete
		374 tubercle	375 bulb	376 terete	377 terete	378 terete	379 terete
Gen. Char.	Gen., Outline	380 tubercle	381 bulb	382 terete	383 terete	384 terete	385 terete
		386 tubercle	387 bulb	388 terete	389 terete	390 terete	391 terete
		392 tubercle	393 bulb	394 terete	395 terete	396 terete	397 terete
Gen. Char.	Gen., Outline	398 tubercle	399 bulb	400 terete	401 terete	402 terete	403 terete
		404 tubercle	405 bulb	406 terete	407 terete	408 terete	409 terete
		410 tubercle	411 bulb	412 terete	413 terete	414 terete	415 terete
Gen. Char.	Gen., Outline	416 tubercle	417 bulb	418 terete	419 terete	420 terete	421 terete
		422 tubercle	423 bulb	424 terete	425 terete	426 terete	427 terete
		428 tubercle	429 bulb	430 terete	431 terete	432 terete	433 terete
Gen. Char.	Gen., Outline	434 tubercle	435 bulb	436 terete	437 terete	438 terete	439 terete
		440 tubercle	441 bulb	442 terete	443 terete	444 terete	445 terete
		446 tubercle	447 bulb	448 terete	449 terete	450 terete	451 terete
Gen. Char.	Gen., Outline	452 tubercle	453 bulb	454 terete	455 terete	456 terete	457 terete
		458 tubercle	459 bulb	460 terete	461 terete	462 terete	463 terete
		464 tubercle	465 bulb	466 terete	467 terete	468 terete	469 terete
Gen. Char.	Gen., Outline	470 tubercle	471 bulb	472 terete	473 terete	474 terete	475 terete
		476 tubercle	477 bulb	478 terete	479 terete	480 terete	481 terete
		482 tubercle	483 bulb	484 terete	485 terete	486 terete	487 terete
Gen. Char.	Gen., Outline	488 tubercle	489 bulb	490 terete	491 terete	492 terete	493 terete
		494 tubercle	495 bulb	496 terete	497 terete	498 terete	499 terete
		500 tubercle	501 bulb	502 terete	503 terete	504 terete	505 terete
Gen. Char.	Gen., Outline	506 tubercle	507 bulb	508 terete	509 terete	510 terete	511 terete
		512 tubercle	513 bulb	514 terete	515 terete	516 terete	517 terete
		518 tubercle	519 bulb	520 terete	521 terete	522 terete	523 terete
Gen. Char.	Gen., Outline	524 tubercle	525 bulb	526 terete	527 terete	528 terete	529 terete
		530 tubercle	531 bulb	532 terete	533 terete	534 terete	535 terete
		536 tubercle	537 bulb	538 terete	539 terete	540 terete	541 terete
Gen. Char.	Gen., Outline	542 tubercle	543 bulb	544 terete	545 terete	546 terete	547 terete
		548 tubercle	549 bulb	550 terete	551 terete	552 terete	553 terete
		554 tubercle	555 bulb	556 terete	557 terete	558 terete	559 terete
Gen. Char.	Gen., Outline	560 tubercle	561 bulb	562 terete	563 terete	564 terete	565 terete
		566 tubercle	567 bulb	568 terete	569 terete	570 terete	571 terete
		572 tubercle	573 bulb	574 terete	575 terete	576 terete	577 terete
Gen. Char.	Gen., Outline	578 tubercle	579 bulb	580 terete	581 terete	582 terete	583 terete
		584 tubercle	585 bulb	586 terete	587 terete	588 terete	589 terete
		590 tubercle	591 bulb	592 terete	593 terete	594 terete	595 terete
Gen. Char.	Gen., Outline	596 tubercle	597 bulb	598 terete	599 terete	600 terete	601 terete
		602 tubercle	603 bulb	604 terete	605 terete	606 terete	607 terete
		608 tubercle	609 bulb	610 terete	611 terete	612 terete	613 terete
Gen. Char.	Gen., Outline	614 tubercle	615 bulb	616 terete	617 terete	618 terete	619 terete
		620 tubercle	621 bulb	622 terete	623 terete	624 terete	625 terete
		626 tubercle	627 bulb	628 terete	629 terete	630 terete	631 terete
Gen. Char.	Gen., Outline	632 tubercle	633 bulb	634 terete	635 terete	636 terete	637 terete
		638 tubercle	639 bulb	640 terete	641 terete	642 terete	643 terete
		644 tubercle	645 bulb	646 terete	647 terete	648 terete	649 terete
Gen. Char.	Gen., Outline	650 tubercle	651 bulb	652 terete	653 terete	654 terete	655 terete
		656 tubercle	657 bulb	658 terete	659 terete	660 terete	661 terete
		662 tubercle	663 bulb	664 terete	665 terete	666 terete	667 terete
Gen. Char.	Gen., Outline	668 tubercle	669 bulb	670 terete	671 terete	672 terete	673 terete
		674 tubercle	675 bulb	676 terete	677 terete	678 terete	679 terete
		680 tubercle	681 bulb	682 terete	683 terete	684 terete	685 terete
Gen. Char.	Gen., Outline	686 tubercle	687 bulb	688 terete	689 terete	690 terete	691 terete
		692 tubercle	693 bulb	694 terete	695 terete	696 terete	697 terete
		698 tubercle	699 bulb	700 terete	701 terete	702 terete	703 terete
Gen. Char.	Gen., Outline	704 tubercle	705 bulb	706 terete	707 terete	708 terete	709 terete
		710 tubercle	711 bulb	712 terete	713 terete	714 terete	715 terete
		716 tubercle	717 bulb	718 terete	719 terete	720 terete	721 terete
Gen. Char.	Gen., Outline	722 tubercle	723 bulb	724 terete	725 terete	726 terete	727 terete
		728 tubercle	729 bulb	730 terete	731 terete	732 terete	733 terete
		734 tubercle	735 bulb	736 terete	737 terete	738 terete	739 terete
Gen. Char.	Gen., Outline	740 tubercle	741 bulb	742 terete	743 terete	744 terete	745 terete
		746 tubercle	747 bulb	748 terete	749 terete	750 terete	751 terete
		752 tubercle	753 bulb	754 terete	755 terete	756 terete	757 terete
Gen. Char.	Gen., Outline	758 tubercle	759 bulb	760 terete	761 terete	762 terete	763 terete
		764 tubercle	765 bulb	766 terete	767 terete	768 terete	769 terete
		770 tubercle	771 bulb	772 terete	773 terete	774 terete	775 terete
Gen. Char.	Gen., Outline	776 tubercle	777 bulb	778 terete	779 terete	780 terete	781 terete
		782 tubercle	783 bulb	784 terete	785 terete	786 terete	787 terete
		788 tubercle	789 bulb	790 terete	791 terete	792 terete	793 terete
Gen. Char.	Gen., Outline	794 tubercle	795 bulb	796 terete	797 terete	798 terete	799 terete
		800 tubercle	801 bulb	802 terete	803 terete	804 terete	805 terete
		806 tubercle	807 bulb	808 terete	809 terete	810 terete	811 terete
Gen. Char.	Gen., Outline	812 tubercle	813 bulb	814 terete	815 terete	816 terete	817 terete
		818 tubercle	819 bulb	820 terete	821 terete	822 terete	823 terete
		824 tubercle	825 bulb	826 terete	827 terete	828 terete	829 terete
Gen. Char.	Gen., Outline	830 tubercle	831 bulb	832 terete	833 terete	834 terete	835 terete
		836 tubercle	837 bulb	838 terete	839 terete	840 terete	841 terete
		842 tubercle	843 bulb	844 terete	845 terete	846 terete	847 terete
Gen. Char.	Gen., Outline	848 tubercle	849 bulb	850 terete	851 terete	852 terete	853 terete
		854 tubercle	855 bulb	856 terete	857 terete	858 terete	859 terete
		860 tubercle	861 bulb	862 terete	863 terete	864 terete	865 terete
Gen. Char.	Gen., Outline	866 tubercle	867 bulb	868 terete	869 terete	870 terete	871 terete
		872 tubercle	873 bulb	874 terete	875 terete	876 terete	877 terete
		878 tubercle	879 bulb	880 terete	881 terete	882 terete	883 terete
Gen. Char.	Gen., Outline	884 tubercle	885 bulb	886 terete	887 terete	888 terete	889 terete
		890 tubercle	891 bulb	892 terete	893 terete	894 terete	895 terete
		896 tubercle	897 bulb	898 terete	899 terete	900 terete	901 terete
Gen. Char.	Gen., Outline	902 tubercle	903 bulb	904 terete	905 terete	906 terete	907 terete
		908 tubercle	909 bulb	910 terete	911 terete	912 terete	913 terete
		914 tubercle	915 bulb	916 terete	917 terete	918 terete	919 terete
Gen. Char.	Gen., Outline	920 tubercle	921 bulb	922 terete	923 terete	924 terete	925 terete
		926 tubercle	927 bulb	928 terete	929 terete	930 terete	931 terete
		932 tubercle	933 bulb	934 terete	935 terete	936 terete	937 terete
Gen. Char.	Gen., Outline						

Texture	chaffy appressed spreading reflexed	Sepals, Petals	versatile introrse extorse pendulous form	Flacuation	included exserted	Surface, a. b. c.
Calyx, Corolla						
Gamopetalous	sepalis petalis		sigillate pelate awned cordate			
Gamopetalous	form		inbent			
saucer-shaped	a. b. c. d.		No. of Cells			
cup-shaped	d.		Dehiscence			
campanulate	spurred		lateral			
funnel-form	a. b. c. d.		Pollen			
silver-form						
urn-shaped						
top-shaped						
tubular						
ligulate						
lobate						
galeate						
ringent						
personate						
spurred						
infracted						
saccate						
Stamens						
Number						
Position						
Opposite						
hypanthium						
perigonous						
epigynous						
on a disk						
epipetalous						
Length						
long						
short						
filaceous						
cruciferous						
carophyllaceous						
papilionaceous						
anomalous						
Duration						
deciduous						
marcescent						
persistent						
Color						
calyx						
corolla						
Surface						
calyx						
ribbed						
nerved						
corolla						
throat						
Texture						

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CHECK TABLE.

[illegible]

CHECK TABLET.

GENERAL FEATURES.	4 villous	5 spatulate	6 hollow	7 complete	8 symmetrical
Habit.	9 satiny	10 obovate	11 glaucous	12 terete	13 perfect
1 aquatic	14 velvety	15 round	16 tumid joint	17 regular	18 staminate
2 parasitic	19 ovate	17 cuneate	18 a. b. c.	20 pistillate	21 neutral
Surface	22 hairy	23 mucous	24 glandular	25 glandular	26 glandular
Color	27 glaucous	28 mucous	29 glandular	30 glandular	31 glandular
Height	32 hispid	33 acute	34 sessile	35 glandular	36 glandular
Underground	37 spinous	38 acuminate	39 bulb	40 glandular	41 glandular
Form	39 prickly	41 truncate	42 bulb	43 glandular	44 glandular
Odor	42 Petiole	44 truncate	45 sessile	46 glandular	47 glandular
Juice	43 Length	45 truncate	48 sessile	49 glandular	50 glandular
Color	44 Surface	46 truncate	49 sessile	51 glandular	52 glandular
Gen. Char.	45 Length	47 truncate	50 sessile	53 glandular	54 glandular
Root.	46 Height	48 truncate	51 sessile	55 glandular	56 glandular
Form	47 Surface	49 truncate	52 sessile	57 glandular	58 glandular
1 conical	48 Length	50 truncate	53 sessile	59 glandular	60 glandular
2 fusiform	49 Height	51 truncate	54 sessile	61 glandular	62 glandular
3 napiform	50 Surface	52 truncate	55 sessile	63 glandular	64 glandular
4 napiform	51 Length	53 truncate	56 sessile	65 glandular	66 glandular
5 napiform	52 Height	54 truncate	57 sessile	67 glandular	68 glandular
6 napiform	53 Surface	55 truncate	58 sessile	69 glandular	70 glandular
7 napiform	54 Length	56 truncate	59 sessile	71 glandular	72 glandular
8 napiform	55 Height	57 truncate	60 sessile	73 glandular	74 glandular
9 napiform	56 Surface	58 truncate	61 sessile	75 glandular	76 glandular
10 napiform	57 Length	59 truncate	62 sessile	77 glandular	78 glandular
11 napiform	58 Height	60 truncate	63 sessile	79 glandular	80 glandular
12 napiform	59 Surface	61 truncate	64 sessile	81 glandular	82 glandular
13 napiform	60 Length	62 truncate	65 sessile	83 glandular	84 glandular
14 napiform	61 Height	63 truncate	66 sessile	85 glandular	86 glandular
15 napiform	62 Surface	64 truncate	67 sessile	87 glandular	88 glandular
16 napiform	63 Length	65 truncate	68 sessile	89 glandular	90 glandular
17 napiform	64 Height	66 truncate	69 sessile	91 glandular	92 glandular
18 napiform	65 Surface	67 truncate	70 sessile	93 glandular	94 glandular
19 napiform	66 Length	68 truncate	71 sessile	95 glandular	96 glandular
20 napiform	67 Height	69 truncate	72 sessile	97 glandular	98 glandular
21 napiform	68 Surface	70 truncate	73 sessile	99 glandular	100 glandular
22 napiform	69 Length	71 truncate	74 sessile	101 glandular	102 glandular
23 napiform	70 Height	72 truncate	75 sessile	103 glandular	104 glandular
24 napiform	71 Surface	73 truncate	76 sessile	105 glandular	106 glandular
25 napiform	72 Length	74 truncate	77 sessile	107 glandular	108 glandular
26 napiform	73 Height	75 truncate	78 sessile	109 glandular	110 glandular
27 napiform	74 Surface	76 truncate	79 sessile	111 glandular	112 glandular
28 napiform	75 Length	77 truncate	80 sessile	113 glandular	114 glandular
29 napiform	76 Height	78 truncate	81 sessile	115 glandular	116 glandular
30 napiform	77 Surface	79 truncate	82 sessile	117 glandular	118 glandular
31 napiform	78 Length	80 truncate	83 sessile	119 glandular	120 glandular
32 napiform	79 Height	81 truncate	84 sessile	121 glandular	122 glandular
33 napiform	80 Surface	82 truncate	85 sessile	123 glandular	124 glandular
34 napiform	81 Length	83 truncate	86 sessile	125 glandular	126 glandular
35 napiform	82 Height	84 truncate	87 sessile	127 glandular	128 glandular
36 napiform	83 Surface	85 truncate	88 sessile	129 glandular	130 glandular
37 napiform	84 Length	86 truncate	89 sessile	131 glandular	132 glandular
38 napiform	85 Height	87 truncate	90 sessile	133 glandular	134 glandular
39 napiform	86 Surface	88 truncate	91 sessile	135 glandular	136 glandular
40 napiform	87 Length	89 truncate	92 sessile	137 glandular	138 glandular
41 napiform	88 Height	90 truncate	93 sessile	139 glandular	140 glandular
42 napiform	89 Surface	91 truncate	94 sessile	141 glandular	142 glandular
43 napiform	90 Length	92 truncate	95 sessile	143 glandular	144 glandular
44 napiform	91 Height	93 truncate	96 sessile	145 glandular	146 glandular
45 napiform	92 Surface	94 truncate	97 sessile	147 glandular	148 glandular
46 napiform	93 Length	95 truncate	98 sessile	149 glandular	150 glandular
47 napiform	94 Height	96 truncate	99 sessile	151 glandular	152 glandular
48 napiform	95 Surface	97 truncate	100 sessile	153 glandular	154 gland

CHECK TABLET.

GENERAL FEATURES.	hollow	8	4	symmetrical
Habit.	flexuose	9	5	complete
terrestrial	genuituate	10	6	perfect
aquatic	tumid joint	11	7	regular
parasitic	surface	12	8	staminate
terrestrial	a. d. c.	13	9	plistidate
aral	Color	14	10	neutral
Duration	Height	15	11	
annual	Underground	16	12	Odor
biennial	rhizoma	17	13	Plan
perennial	coron	18	14	microns
	tuber	19	15	Stalk
	bulb	20	16	Feedule
LEAVES.	sessile	21	17	Length
petiolate	petiolate	22	18	Surface
retuse	retuse	23	19	Pedice
emarginate	emarginate	24	20	Length
cordate	cordate	25	21	Height
angulate	angulate	26	22	Surface
excipitate	excipitate	27	23	Involute
equitant	equitant	28	24	Form
Arrangement	perlate	29	25	Stipules
On the Stem.	coniform	30	26	Length
cauline	clasp	31	27	Surface
radical	conulate	32	28	Form
radical	decurrent	33	29	Adhæc
Along the Axis.	decurrent	34	30	Free
alternate	decurrent	35	31	Gen. Char.
scattered	decurrent	36	32	No. of ribs.
racemose	racemose	37	33	Direction.
opposite	opposite	38	34	Appressed
verticillate	verticillate	39	35	Spreading
Duration	deciduous	40	36	Relaxed
persistent	deciduous	41	37	Form
deciduous	deciduous	42	38	Surface
Vernation	deciduous	43	39	Form
Texture	deciduous	44	40	Form
succulent	deciduous	45	41	Form
coriaceous	deciduous	46	42	Form
rugose	deciduous	47	43	Form
striate	deciduous	48	44	Form
Venation.	deciduous	49	45	Form
parallel	deciduous	50	46	Form
straight	deciduous	51	47	Form
curved	deciduous	52	48	Form
transverse	deciduous	53	49	Form
Noted.	deciduous	54	50	Form
pinnate	deciduous	55	51	Form
3-nerved	deciduous	56	52	Form
5-nerved	deciduous	57	53	Form
radiate	deciduous	58	54	Form
Form.	deciduous	59	55	Form
Compound.	deciduous	60	56	Form
pinnate	deciduous	61	57	Form
pinnate	deciduous	62	58	Form
foliate	deciduous	63	59	Form
Simple, Leaflets	deciduous	64	60	Form
Gen. Outline	deciduous	65	61	Form
1	deciduous	66	62	Form
2	deciduous	67	63	Form
3	deciduous	68	64	Form
4	deciduous	69	65	Form
5	deciduous	70	66	Form
6	deciduous	71	67	Form
7	deciduous	72	68	Form
Gen. Char.	deciduous	73	69	Form
grooved	deciduous	74	70	Form
angled.	deciduous	75	71	Form
solid	deciduous	76	72	Form

CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
aquatic
presitic
aerial

Duration

annual
biennial
perennial

Odor

Juice

Color
Taste

ROOT.

Form

conical
fusiform
nupiform
ranose
solvent
fibrous
fasciculate
aerial

Gen. Char.

STEM.

exogenous
endogenous

Nature

herbaceous
suffrutescent
fruticose
arborescent
diffuse
prostrate
creeping
climbing
twining
simple

Dir. of Growth

ascending
decumbent
diffuse
prostrate
creeping
climbing
twining
simple

Branching

furcate
excurrent
racemose
paniculate
corymbose
diffuse

Special Forms

deliquescent
suckers
solons
offsets
runners
tendrils
thorns

Gen. Char.

terete
striate
grooved
angled
solid

hollow
flexuose
geminate
timid joint

Surface

Color

Height

Underground

Form

bulb
tuber
rhizomat

LEAVES.

Kinds

sessile
petiolate
stipulate
exstipulate
equitant

Arrangement

On the Stem

radical
runcal
Along the Axis

alternate
scattered
opposite
verticillate

Duration

persistent
deciduous

Vernation

texture

succulent
coriaceous
rigid
flexuous

Venation

parallel
straight
curved
transverse

Netted

pinate
3-nerved
5-nerved
radiate

Form

Compound

pinate
palmate
lobate

Simple, Leaflets

Gen., Outline

fluminal
acicular
acrose
subulac

linear
lanceolate
oblanccolate

7

4
5
6
7
8

Stiff hairs

scabrous
hispid
aculeate
spinous
prickly

Petiole

form

grooved
compressed
leaf-like

Infra

margined
clasping
sheathing

Surface, a, b, c, d, e

Stipules

form

a, b, c, d, e

Adaxial

adaxial

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adaxial

symmetrical
complete
perfect
regular
seminar
pistillate
neutral

plan

stalk

peduncle

surface, a, b, c, d, e

pedicel

height

surface, a, b, c, d, e

form

rostraceous

cup-shaped

hemispherical

bell-shaped

cylindrical

conical

ovoid

scaly

No. of rows

Number

Direction

apressed

spreading

reclined

horn, a, b, c, d, e

surface, a, b, c, d, e

petaloidous

lobaceous

scarious

spinous

rigid

chart

Receptacle

form

urn-shaped

concave

flat

cylindrical

elongated

conical

convex

hemispherical

Disk

hypogynous

perigynous

epigynous

Surface

naked

smooth

punctate

alveolate

bristly

FLOWER.

Kinds

axillary

terminal

solitary

cyme

raceme

panicle

thyrsus

spatulate

oblong

elliptical

oval

round

ovate

obovate

emucate

acuminate

acute

obuse

truncate

retuse

emarginate

cordate

auriculate

sagittate

hastate

petate

reniform

claspig

connate

decurrent

apex

acuminate

acute

obuse

truncate

retuse

emarginate

obcordate

obcordate

obcordate

obcordate

obcordate

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.....cluffy Texture	capitate Sapals, Petalsspreadingreflexed	includedexserted	Surface, a. b. c.
Calyx, Corolla			
Gamopetalous	sepals.....petals	Placination	Color
Gamopetalous	sepals.....petals	free-central.....axillary.....fascial.....furrowed	Con. Character
.....saucer-shaped	Form	Ovules	SEED
.....cup-shaped	a. b. c. d.	orthotropous	Number
.....campanulate	spurred	campylotropous	Form
.....funnel-form	petals	anatropous	oblong
.....silver-form	a. b. c. d.	amphitropous	ovate
.....top-shaped	Aestivation	erect	ovoid
.....tubular	valvate	ascending	Attachment
.....ligulate	induplicate	horizontal	sessile
.....ligulate	reduplicate	pendulous	funiculate
.....galeate	imbriate	suspended	Coats
.....ringent	convolute	Number	Surface, a. b. c.
.....personate	plicata	FRUIT	Color
.....spurred	superiority	septicidal	Texture
.....indented	Number	locuticidal	Appendages
.....saccate	Stamens	circumscissile	circum-
	Number	Kinds	strophile
.....filicete	filament	Fleshy	wing
.....cylindrical	opposite	berry	omn-
.....lobed	infract	pepo	Albumen
.....clad	alternate	pono	quantity
.....papery	hyogynous	Steno	Texture
.....scales	perigynous	drupe	
.....bristles	gynandrium	Dry	Embryo
Polypetalous	on a disk	achonium	Form
Polypetalous	epipetalous	utricle	beet
.....rosaceous	Long	follicle	rolled
.....iliaceous	short	legume	Size
.....cruciferous	dichlamous	silique	Position as to Albumen
.....caryophyllaceous	tetradynamous	siliqua	outside
.....papilionaceous	Cohesion	siliqua	inside
.....anomalous	adcliphous	pyxis	Radicle
Purdon	syngonesious	Aggregate	Length
.....deciduous	Gen. Features	Accessory	Plumule
.....marcescent	included	Multiple	Position
.....persistent	exserted	No. of Cells	Corymbous
Color	sessile	Odor	Form
.....calyx	convivent	Taste	
.....corolla	Filament	Pericarp	Texture
.....calyx	Form	membranous	
.....ribbed	capillary	coriaceous	
.....nerved	filiform	succulent	
.....corolla	Surface, a. b. c.		
.....throat	Arther		
Texture	Attachment		
	innate		
	adnate		

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chaffy Texture	Sepals, Petals appressed spreading reflexed	versatile introrse extrorse pendulous Form sessile sagittate peltate ovate cordate lobed No. of Cells Dehiscence lateral Pollen Pellina Pistil closed open Cohesion simple multiple compound Stigma Number Fertile terminal lateral sessile Form discoïd globose lobed filiform linear Style Form filiform branching decurvate Position terminal lateral basilar Number Surface, a. b. c. Ovary Adhesion superior inferior No. of Cells Form Surface, a. b. c. Gen. Features	included exserted Pinnation free-central axillary partial Ovules Kind orthotropous campylotropous anatropous amphitropous Dit. in Ovary direct ascending horizontal pendulous suspended Number Fruit septicidal loculicidal septicfract circumscissile Kinds Fleshy berry pepo pome Stone drupe Dry achnium utricule square foliicle legume capsule silique silicle pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Surface, a. b. c. Color Gen. Character ribbed grooved furrowed SEED Number Form oblong ovate ovoid Attachment sessile funiculate Coats Surface, a. b. c. Color Texture Appendages anil curticle arophole wing coma Albumen quantity Texture Color Embryo Form straight bent roiled Size Position as to Albumen outside inside Radicle Direction Length Pumule Number Position Corymbosa Form Size Number Texture
Calyx, Corolla amapalous Gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form silver-form urn-shaped top-shaped tubular ligulate labiate gubante ringent personate spurred inflated saccate	Aestivation open valvate induplicate reduplicate imbriate convolute plicate supervoluit	Stamens Number Position opposite Lacinia hypogynous epigynous gynandrous on a disk epipetalous Length long short didynamous teradynamous Cohesion adelphous syngonesious Gen. Features included exserted sessile convivent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imbricate adnate	Stamens Number Position opposite Lacinia hypogynous epigynous gynandrous on a disk epipetalous Length long short didynamous teradynamous Cohesion adelphous syngonesious Gen. Features included exserted sessile convivent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imbricate adnate	Stamens Number Position opposite Lacinia hypogynous epigynous gynandrous on a disk epipetalous Length long short didynamous teradynamous Cohesion adelphous syngonesious Gen. Features included exserted sessile convivent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imbricate adnate
Papery vs Polyptalous fissaceous filicaceous cruciferous caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat Texture	Stamens Number Position opposite Lacinia hypogynous epigynous gynandrous on a disk epipetalous Length long short didynamous teradynamous Cohesion adelphous syngonesious Gen. Features included exserted sessile convivent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imbricate adnate	Stamens Number Position opposite Lacinia hypogynous epigynous gynandrous on a disk epipetalous Length long short didynamous teradynamous Cohesion adelphous syngonesious Gen. Features included exserted sessile convivent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imbricate adnate	Stamens Number Position opposite Lacinia hypogynous epigynous gynandrous on a disk epipetalous Length long short didynamous teradynamous Cohesion adelphous syngonesious Gen. Features included exserted sessile convivent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imbricate adnate	Stamens Number Position opposite Lacinia hypogynous epigynous gynandrous on a disk epipetalous Length long short didynamous teradynamous Cohesion adelphous syngonesious Gen. Features included exserted sessile convivent Filament Form capillary filiform Surface, a. b. c. Anther Attachment imbricate adnate

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CHECK TABLE.

GENERAL FEATURES. Habit.	terrestrial	hollow	8 spatulate	4 villous	symmetrical		
	aquatic	flexuose	9 oblong	5 silky	complete		
	parasitic	geniculate	10 elliptical	6 wooly	perfect		
	aerial	limb joint	11 oval	7 velvety	regular		
	Surface -a, -b, -c	Color	Underground	12 round	Stiff hairs	staminate	
				13 ovate		pubescent	
	Duration	Perianth	Stamens	14 obovate	1 scarious	neutral	
				15 cuculate	2 hispid		
	Odor	Form	Stalk	16 annual	3 acute		
				17 perennial	4 spinous		
Juice Color Gen. Char. ROOT. Form	perennial	corn	b	acuminate	1	merous	
	herb	bulb	2	acute	2		
	LEAVES.	Kinds	3	obuse	3	terete	Petiole
			4	unimac	4	grooved	Length
			5	retuse	5	compressed	Surface -a, -b, -c
			6	emarginate	6	leaf-like	Length
	7	cordate	7	kind	8	marginated	Stipe
	8	auriculate	8	scutigulate	9	clashing	Height
	9	equitant	9	hastate	10	sheathing	Surface -a, -b, -c
	Arrangement On the Stem.	10	peclate	11	perianth	11	torescent
11		clashing	12	reniform	12	cup-shaped	
12		reniform	13	comate	13	hemispherical	
13		comate	14	decurrent	14	beak-shaped	
Along the Axis.	14	radical	15	decurrent	15	cylindrical	
	15	radical	16	decurrent	16	condit	
	16	radical	17	decurrent	17	conical	
	17	radical	18	decurrent	18	ovoid	
Gen. Char. STEM.	alternate	c	apex	acuminate	19	acuminate	
	scattered	2	acute	2	clashing	Scales	
	rosulate	3	obuse	3	membranous	No. of tows.	
	fasciculate	4	truncate	4	foliaceous	Number.	
	opposite	5	retuse	5	spinous	Direction.	
	verticillate	6	emarginate	6	subscous	apressed	
	peristent	7	obcordate	7	deciduous	spreading	
	deciduous	8	cuspidate	8	peristent	relaxed	
	aristate	9	microcarinate	9	deciduous	form -a, -b, -c, -d.	
	aristate	10	aristate	10	aristate	Surface -a, -b, -c.	
Texture Dir. of Growth	decident	d	margin	11	aristate	petaloidous	
	succulent	12	revolute	12	aristate	foliaceous	
	coriaceous	13	entire	13	aristate	retuse	
	rugose	14	serrate	14	aristate	spinous	
	8 -s, -oils	15	dentate	15	aristate	spinous	
	Venation.	16	renate	16	aristate	spinous	
		straight	17	renate	17	aristate	spinous
		curved	18	sinuate	18	aristate	spinous
		transverse	19	sinuate	19	aristate	spinous
	Netted.	20	sinuate	20	aristate	spinous	
sinuate		21	sinuate	21	aristate	spinous	
sinuate		22	sinuate	22	aristate	spinous	
sinuate		23	sinuate	23	aristate	spinous	
Form. Compund.	pinate	24	sinuate	24	aristate	spinous	
	pinate	25	sinuate	25	aristate	spinous	
	pinate	26	sinuate	26	aristate	spinous	
	pinate	27	sinuate	27	aristate	spinous	
	pinate	28	sinuate	28	aristate	spinous	
	pinate	29	sinuate	29	aristate	spinous	
	pinate	30	sinuate	30	aristate	spinous	
	pinate	31	sinuate	31	aristate	spinous	
	pinate	32	sinuate	32	aristate	spinous	
	pinate	33	sinuate	33	aristate	spinous	
Special Forms	pinate	34	sinuate	34	aristate	spinous	
	pinate	35	sinuate	35	aristate	spinous	
	pinate	36	sinuate	36	aristate	spinous	
	pinate	37	sinuate	37	aristate	spinous	
	pinate	38	sinuate	38	aristate	spinous	
	pinate	39	sinuate	39	aristate	spinous	
	pinate	40	sinuate	40	aristate	spinous	
	pinate	41	sinuate	41	aristate	spinous	
	pinate	42	sinuate	42	aristate	spinous	
	pinate	43	sinuate	43	aristate	spinous	
Gen. Char.	grooved	44	sinuate	44	aristate	spinous	
	angled.	45	sinuate	45	aristate	spinous	
	solid	46	sinuate	46	aristate	spinous	
	solid	47	sinuate	47	aristate	spinous	
	solid	48	sinuate	48	aristate	spinous	
	solid	49	sinuate	49	aristate	spinous	
	solid	50	sinuate	50	aristate	spinous	
	solid	51	sinuate	51	aristate	spinous	
	solid	52	sinuate	52	aristate	spinous	
	solid	53	sinuate	53	aristate	spinous	

CHECK TABLE.

GENERAL FEATURES.

Habit.

- terrestrial
- aquatic
- parasitic
- aerial
- Duration
- annual
- biennial
- perennial

Odor

Juice

Color.

Taste.

Gen. Char.

ROOT.

Form

- conical
- fusiform
- napiform
- ramose
- solvent
- fibrous
- fasciculate
- aerial

Gen. Char.

STEM.

- exsucculent
- endogenous

Nature

- herbaceous
- creeping
- suffrutescent
- suffrutescent
- fruticose
- arborescent
- thoraceous
- erect
- decumbent
- diffuse
- prostrate
- climbing
- twining
- simple
- simple
- furcate
- excurrent
- racemose
- paniculate
- corymbose
- diffuse
- deliquescent

Dir. of Growth

- erect
- decumbent
- diffuse
- prostrate
- climbing
- twining
- simple
- simple
- furcate
- excurrent
- racemose
- paniculate
- corymbose
- diffuse
- deliquescent

Branching

- simple
- simple
- furcate
- excurrent
- racemose
- paniculate
- corymbose
- diffuse
- deliquescent

Special Forms

- stolons
- runners
- ventrils
- thorns
- terete
- grooved
- angled.
- solid

Gen. Char.

- terete
- grooved
- angled.
- solid

Surface

- hollow
- flexuose
- geniculate
- tumid point
- oval
- ovate
- obovate
- cuneate
- annular
- hizoma

Color

Height

Underground

Form

LEAVES.

Kinds.

Arrangement

On the Stem.

Along the Axis.

Texture

Vernation

Texture

Venation

Paralle.

Curved

Transverse

Netted.

Form.

Compound.

Simple, Lentic

Gen. Outline

Acicular

Acrose

Subulate

Linear

Lanceolate

Oblanceolate

Surface

10 Ribs

Glaucons

Punctate

Verrucose

Sete

Puberulent

Pilose

Pubescent

Stip hairs

Scarcous

Aciculate

Spinos

Prickly

Petiole

Form

Terete

Grooved

Compressed

Kind

Margined

Clasping

Sheathing

Leaf-like

Surface

Length.

Stipules

Form

Adhesion

Gen. Character

Membranous

Follicleous

Spinous

Sataceous

Persistent

Deciduous

Fragulous

Form

Surface

Gen. Character

Tolaceous

Petalaceous

Incrumbruous

Spinous

Receptacle

Form

Terminal

Solitary

Cyme

Glomerule

Vertical

Axillary

Symmetrical

Complex

Perfect

Regular

Staminate

Pistillate

Neutral

Odor

Plan

Stalk

Form

Length.

Surface.

Fetiole

Length.

Height.

Surface.

Form

Involute

Form

Surface.

Gen. Character

Membranous

Follicleous

Spinous

Sataceous

Persistent

Deciduous

Fragulous

Form

Surface.

Gen. Character

Tolaceous

Petalaceous

Incrumbruous

Spinous

Receptacle

Form

Terminal

Solitary

Cyme

Glomerule

Axillary

Surface

Gen. Character

Tolaceous

Petalaceous

Incrumbruous

Spinous

Receptacle

Form

Terminal

Solitary

Cyme

Glomerule

Axillary

Surface

Gen. Character

Tolaceous

Petalaceous

Incrumbruous

Spinous

Receptacle

Form

Terminal

Solitary

Cyme

Glomerule

Axillary

Surface

Gen. Character

Tolaceous

Petalaceous

Incrumbruous

Spinous

Receptacle

Form

Terminal

Solitary

Cyme

Glomerule

Axillary

Surface

Gen. Character

Tolaceous

Petalaceous

CHECK TABLE.

GENERAL FEATURES.							
Habit.	terrestrial	hollow	8	9	spatulate	4	 villous
.....	aquatic	flexuose	10	10	oblong	5	 silky
.....	parasitic		11	11	clitipical	6	 woolly
.....		tumid joint	12	12	oval	7	 velvety
.....			13	13	round	8	
.....			14	14	ovate	9	
.....			15	15	obovate	10	
.....			16	16	cuneate	11	
.....			17	17		12	
.....			18	18		13	
.....			19	19		14	
.....			20	20		15	
.....			21	21		16	
.....			22	22		17	
.....			23	23		18	
.....			24	24		19	
.....			25	25		20	
.....			26	26		21	
.....			27	27		22	
.....			28	28		23	
.....			29	29		24	
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.....			31	31		26	
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.....			36	36		31	
.....			37	37		32	
.....			38	38		33	
.....			39	39		34	
.....			40	40		35	
.....			41	41		36	
.....			42	42		37	
.....			43	43		38	
.....			44	44		39	
.....			45	45		40	
.....			46	46		41	
.....			47	47		42	
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.....			84	84		79	
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.....			86	86		81	
.....			87	87		82	
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.....			90	90		85	
.....			91	91		86	
.....			92	92		87	
.....			93	93		88	
.....			94	94		89	
.....			95	95		90	
.....			96	96		91	
.....			97	97		92	
.....			98	98		93	
.....			99	99		94	
.....			100	100		95	

CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
aquatic
parasitic
aerial
Duration
annual
biennial
perennial

Odor

Juice

Color
Taste

Con. Char.

Root.

Form

conical
fusiform
napiform
ranose
solvent
fibrous
fasciculate
aerial

..... hollow

..... flexuose

..... geniculate

..... tumid joint

Surface

..... a. b. c

Color

Height

Underground

..... corn

..... tuber

..... bulb

LEAVES.

Kinds

..... sessile

..... p. petiolate

..... stipulate

..... exstipulate

..... equitant

Arrangement

..... On the stem

..... cauline

..... radical

..... radical

..... Along the axis:—

..... alternate.

..... scattered.

..... rosulate

..... fasciculate

..... opposite

..... verticillate

Duration

..... persistent

..... deciduous

Vernation

..... succulent

..... coriaceous

..... rugose

..... S. on

Venation.

..... parallel

..... straight

..... curved

..... transverse

Netted.

..... pinnate

..... 3-nerved

..... 5-nerved

..... radiate

Form.

..... Compand.

..... pinnate

..... palmate

..... foliate

Simple, Locifera

..... Gen., Outline

..... filiform

..... acicular

..... acrose

..... subulate

..... linear

..... lanceolate

..... oblanceolate

..... spatulate

..... oblong

..... elliptical

..... oval

..... round

..... ovate

..... obovate

..... cuneate

..... b. Base

..... acuminate

..... acute

..... obtuse

..... truncate

..... retuse

..... emarginate

..... cordate

..... auriculate

..... sagittate

..... hastate

..... peltate

..... reniform

..... clasping

..... connate

..... decurrent

..... a. b. c. d.

Stipules

..... adhesion

..... free

..... adnate

..... clasping

..... membranous

..... foliaceous

..... spinous

..... scarious

..... persistent

..... deciduous

..... f. ligularis

..... b. c. d. e.

..... a. b. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

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..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... villous

..... silky

..... woolly

..... velvety

..... stiff hairs

..... scabrous

..... hispid

..... aculeate

..... spinous

..... prickly

..... petiole

..... form

..... terete

..... grooved

..... compressed

..... leaf-like

..... End

..... margined

..... clasping

..... sheathing

..... Surface. a. b. c. d. e.

..... Stipules

..... form

..... a. b. c. d. e.

..... adhesion

..... free

..... adnate

..... clasping

..... membranous

..... foliaceous

..... spinous

..... scarious

..... persistent

..... deciduous

..... f. ligularis

..... b. c. d. e.

..... a. b. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

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..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... f. c. d. e.

..... symmetrical

..... complete

..... perfect

..... regular

..... staminate

..... pistillate

..... neutral

..... Odor

..... Plan

..... Stalk

..... folioid

..... Length. a. b. c. d. e.

..... Surface. a. b. c. d. e.

..... Length. a. b. c. d. e.

..... Height. a. b. c. d. e.

..... Involucre

..... form

..... rosaceous

..... cup-shaped

..... hemispherical

..... bell-shaped

..... cylindrical

..... conical

..... ovoid

..... Scales

..... No. of rows.

..... Number.

..... Direction.

..... appressed

..... erect

..... spreading

..... reflexed

..... form. a. b. c. d. e.

..... Surface. a. b. c. d. e.

..... Tactile

..... petaloidous

..... volucreous

..... scarious

..... spinous

..... rigid

..... chafy.

..... Receptacle

..... form

..... urn-shaped

..... concave

..... flat

..... cylindrical

..... elongated

..... conical

..... convex

..... hemispherical

..... Disk.

..... hypogynous

..... perigynous

..... epigynous

..... Surface

..... naked

..... smooth

..... punctate

..... alveolate

..... bristly

GENERAL FEATURES.

Habit.

terrestrial
aquatic
parasitic
aerial
Duration
annual
biennial
perennial

Odor

Juice

Color
Taste

Con. Char.

Root.

Form

conical
fusiform
napiform
ranose
solvent
fibrous
fasciculate
aerial

..... hollow

..... flexuose

..... geniculate

..... tumid joint

Surface

..... a. b. c

Color

Height

Underground

..... corn

..... tuber

..... bulb

LEAVES.

Kinds

..... sessile

..... p. petiolate

..... stipulate

..... exstipulate

..... equitant

Arrangement

..... On the stem

..... cauline

..... radical

..... radical

..... Along the axis:—

..... alternate.

..... scattered.

..... rosulate

CHECK TABLE.

GENERAL FEATURES.	8	 hollow	 spatulate	4	 villous	 symmetrical
Habit.	9	 flexuose	 oblong	5	 silky	 complete
..... terrestrial	10	 geniculate	 elliptical	6	 woolly	 perfect
..... aquatic	11	 tumid joint	 oval	7	 velvety	 regular
..... perennating	12	 <i>a. b. c.</i>	 round	8	Soft Parts	 staminate
Duration	13	 sessile	 ovate	1	 scabrous	 pistillate
..... aerial	14	 petiolate	 obovate	2	 hispid	 neutral
..... annual	15	 stipulate	 cuneate	3	 acute	.....
..... biennial	16	 exstipulate	.....	4	 spinous	.....
..... per-annual	17	 equitant	.....	5	 prickly	.....
Odor	b	 tuber	 acuminate	6	Petiole	Plan
.....	1	 bulb	 acute	7	 terete	Stalk
Juice	2	LEAVES.	 truncate	8	 grooved	 peduncle
.....	3	 sessile	 truncate	9	 compressed	.....
Color	4	 stipulate	 cordate	10	 leaf-like	Radical
.....	5	 exstipulate	 sagittate	11	 margined	.....
Gen. Char.	6	 equitant	 hastate	12	 clasping	Length.
Form	7	Arrangement	 petiolate	13	 sheathing	.....
..... conical	8	 On the stem.	 reniform	14	.....	Height.
..... fusiform	9	 radical	 clasping	15	.....	Surface.
..... napiform	10	 runcal	 connate	16	.....	<i>a. b. c.</i>
..... ramose	11	 Along the Axis.	 decurrent	17	.....	Involucre
..... solvent	12	 alternate.	.....	18	.....	..... tomentous
..... fibrous	13	 scattered	.....	19	.....	..... cup-shaped
..... fasciculate	14	 fasciculate	.....	20	.....	..... hemispherical
..... aerial	15	 opposite	.....	21	.....	..... bell-shaped
Gen. Char.	16	 verticillate	.....	22	.....	..... cylindrical
.....	17	Duration	.....	23	.....	..... conical
.....	18	 persistent	.....	24	.....	..... ovoid
Dir. of Growth	19	 deciduous	.....	25	.....	.....
.....	20	Vernation	.....	26	.....	.....
.....	21	 succulent	.....	27	.....	.....
.....	22	 rugose	.....	28	.....	.....
.....	23	 scabrous	.....	29	.....	.....
Texture	24	Venation.	.....	30	.....	.....
.....	25	 parallel	.....	31	.....	.....
.....	26	 straight	.....	32	.....	.....
.....	27	 curved	.....	33	.....	.....
.....	28	 transverse	.....	34	.....	.....
Branching	29	Netia.	.....	35	.....	.....
..... simple	30	 pinnate	.....	36	.....	.....
.....	31	 3-nerved	.....	37	.....	.....
.....	32	 5-nerved	.....	38	.....	.....
.....	33	 radiate	.....	39	.....	.....
.....	34	Form.	.....	40	.....	.....
.....	35	 Compound.	.....	41	.....	.....
.....	36	 pinnate	.....	42	.....	.....
Special Forms	37	 palmate	.....	43	.....	.....
.....	38	 foliate	.....	44	.....	.....
.....	39	Simple, Leaflets	.....	45	.....	.....
.....	40	.....	.....	46	.....	.....
.....	41	Gen. Outline	.....	47	.....	.....
.....	42	 filiform	.....	48	.....	.....
.....	43	 acicular	.....	49	.....	.....
.....	44	 acrose	.....	50	.....	.....
.....	45	 subulate		51		
.....	46	 linear		52		
.....	47	 lanceolate		53		
.....	48	 oblanccolate		54		
.....	49			55		
.....	50			56		
.....	51			57		
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.....	89			95		
.....	90			96		
.....	91			97		
.....	92			98		
.....	93			99		
.....	94			100		

..... chafy Texture	Sepals, Petals appressed spreading reflexed	 versatile introrse extrorse pendulous form	 included exerted	 Surface, <i>a. b. c.</i>
calyx. Corolla Gamopetalous	 sepals petals Form	 sagittate peltate awned cordate indented	Flacination free-central axillary parietal	Color ribbed grooved furrowed
..... saucer-shaped cup-shaped funnel-form silver-form urn-shaped top-shaped	 a. b. c. d. a. b. c. d. petals a. b. c. d.	No. of Cells lateral	Ovules Kind orthotropous campylotropous anatropous amphitropous	SEED Number
Aestivation imbricate ligulate labiate galeate ringent personate spurred imbricated saccate	 ovary imbricate imbricate imbricate convolute plicate supervol. b.	Dehiscence lateral	Form oblong ovate ovoid	
Stamens Number position alternate opposite basipetal hypogynous perigynous gynandrous on a disk circumscissile	Kind closed open simple imbricate compound	Di. in Ovary erect ascending horizontal pendulous suspended	Attachment sessile filiculate	
Border truncate entire lobed cleft parted Pappus cup scales awns bristles	Stigma Position terminal lateral sessile	Number 1	Coats Surface, <i>a. b. c.</i>	
Polypetalous rosaceous lilaceous cruciferous Caryophyllaceous papilionaceous anomalous	Form discoid lobed filiform linear	Kind fleshy berry pepo pome Somo drupe	Albumen Quantity Texture Color	
Embryo Form straight bent rolled	Style long short	Aggregates Multiple	Direction Length Plurality Number Position	
Gen. Features included exerted sessile comitant	Position terminal lateral basilar	Accessory Multiple	Corolladons Form	
Flament Form	Ovary Adhesion superior half-superior interior	No. of Cells	Size Number Texture	
Surface, a. b. c. 2.	No. of Cells Form	Odor Taste Pericarp Texture		
Texture imbricate adnate	Surface, a. b. c. Gen. Features			

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

DATE,

187.

CHECK TABLE.

GENERAL FEATURES.		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118		119		120		121		122		123		124		125		126		127		128		129		130		131		132		133		134		135		136		137		138		139		140		141		142		143		144		145		146		147		148		149		150		151		152		153		154		155		156		157		158		159		160		161		162		163		164		165		166		167		168		169		170		171		172		173		174		175		176		177		178		179		180		181		182		183		184		185		186		187		188		189		190		191		192		193		194		195		196		197		198		199		200		201		202		203		204		205		206		207		208		209		210		211		212		213		214		215		216		217		218		219		220		221		222		223		224		225		226		227		228		229		230		231		232		233		234		235		236		237		238		239		240		241		242		243		244		245		246		247		248		249		250		251		252		253		254		255		256		257		258		259		260		261		262		263		264		265		266		267		268		269		270		271		272		273		274		275		276		277		278		279		280		281		282		283		284		285		286		287		288		289		290		291		292		293		294		295		296		297		298		299		300		301		302		303		304		305		306		307		308		309		310		311		312		313		314		315		316		317		318		319		320		321		322		323		324		325		326		327		328		329		330		331		332		333		334		335		336		337		338		339		340		341		342		343		344		345		346		347		348		349		350		351		352		353		354		355		356		357		358		359		360		361		362		363		364		365		366		367		368		369		370		371		372		373		374		375		376		377		378		379		380		381		382		383		384		385		386		387		388		389		390		391		392		393		394		395		396		397		398		399		400		401		402		403		404		405		406		407		408		409		410		411		412		413		414		415		416		417		418		419		420		421		422		423		424		425		426		427		428		429		430		431		432		433		434		435		436		437		438		439		440		441		442		443		444		445		446		447		448		449		450		451		452		453		454		455		456		457		458		459		460		461		462		463		464		465		466		467		468		469		470		471		472		473		474		475		476		477		478		479		480		481		482		483	
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CHECK TABLE.

GENERAL FEATURES. Habit.		hollow	8		spatulate	4		villos		symmetrical
	.....	flexuose	9	.....	oblong	5	.....	salty	.....	complete
	.....	caniculate	10	.....	elliptical	6	.....	wooly	.....	perfect
Surface	.....	umbil joint	11	.....	oval	7	.....	velvety	.....	regular
	.....	a. b. c	12	.....	round	3	.....	Stiff Hairs	.....	stagnate
	.....	.....	13	.....	ovate	1	.....	scabrous	.....	pistillate
Color	.....	.....	14	.....	obovate	2	.....	hispid	.....	neutral
	.....	.....	15	.....	obovate	3	.....	acuticulate	.....	.....
	.....	.....	16	.....	cinereate	4	.....	spinous	.....	.....
Duration	.....	.....	17	.....	.....	5	.....	prickly	.....	.....
	.....	.....	18	.....	.....	6	.....	.....	.....	.....
	.....	.....	19	.....	.....	7	.....	.....	.....	.....
Underground	.....	.....	20	.....	.....	8	.....	.....	.....	.....
	.....	.....	21	.....	.....	9	.....	.....	.....	.....
	.....	.....	22	.....	.....	10	.....	.....	.....	.....
Odor	.....	.....	23	.....	.....	11	.....	.....	.....	.....
	.....	.....	24	.....	.....	12	.....	.....	.....	.....
	.....	.....	25	.....	.....	13	.....	.....	.....	.....
Juice	.....	.....	26	.....	.....	14	.....	.....	.....	.....
	.....	.....	27	.....	.....	15	.....	.....	.....	.....
	.....	.....	28	.....	.....	16	.....	.....	.....	.....
ROOT.	.....	.....	29	.....	.....	17	.....	.....	.....	.....
	.....	.....	30	.....	.....	18	.....	.....	.....	.....
	.....	.....	31	.....	.....	19	.....	.....	.....	.....
Form	.....	.....	32	.....	.....	20	.....	.....	.....	.....
	.....	.....	33	.....	.....	21	.....	.....	.....	.....
	.....	.....	34	.....	.....	22	.....	.....	.....	.....
Gen. Char.	.....	.....	35	.....	.....	23	.....	.....	.....	.....
	.....	.....	36	.....	.....	24	.....	.....	.....	.....
	.....	.....	37	.....	.....	25	.....	.....	.....	.....
STEM.	.....	.....	38	.....	.....	26	.....	.....	.....	.....
	.....	.....	39	.....	.....	27	.....	.....	.....	.....
	.....	.....	40	.....	.....	28	.....	.....	.....	.....
Nature	.....	.....	41	.....	.....	29	.....	.....	.....	.....
	.....	.....	42	.....	.....	30	.....	.....	.....	.....
	.....	.....	43	.....	.....	31	.....	.....	.....	.....
Dir. of Growth	.....	.....	44	.....	.....	32	.....	.....	.....	.....
	.....	.....	45	.....	.....	33	.....	.....	.....	.....
	.....	.....	46	.....	.....	34	.....	.....	.....	.....
Venation	.....	.....	47	.....	.....	35	.....	.....	.....	.....
	.....	.....	48	.....	.....	36	.....	.....	.....	.....
	.....	.....	49	.....	.....	37	.....	.....	.....	.....
Branching	.....	.....	50	.....	.....	38	.....	.....	.....	.....
	.....	.....	51	.....	.....	39	.....	.....	.....	.....
	.....	.....	52	.....	.....	40	.....	.....	.....	.....
Special Forms	.....	.....	53	.....	.....	41	.....	.....	.....	.....
	.....	.....	54	.....	.....	42	.....	.....	.....	.....
	.....	.....	55	.....	.....	43	.....	.....	.....	.....
Gen. Char.	.....	.....	56	.....	.....	44	.....	.....	.....	.....
	.....	.....	57	.....	.....	45	.....	.....	.....	.....
	.....	.....	58	.....	.....	46	.....	.....	.....	.....

CHECK TABLET.

[illegible]

chaffy Texture	Sepals, Petals apressed spreading reflexed	versatile infrorse extorse pendulous	included exserted	Surface, a. b. c.
Calyx-Corolla Gynaeceal Gynoecious rotate	sepalis spreading reflexed	Form sagittate petate awned cordate lobed	Placentation free-central axillary parietal	Gen. Character ribbed grooved furrowed
cup-shaped campanulate funnel-form salver-form urn-shaped top-shaped tubular ligulate lobate ligulate runcinate peronate spurred inflated saccate	sepalis a. b. c. d. spurred petals a. b. c. d.	No. of Cells, Dehiscence lateral	Ovules orthotropous campylotropous anatropous apophytropous	SEED Number oblong ovate ovoid
Aestivation open valvate induplicate reduplicate imbricate contorted convolute plicite superov.	Pollin Pollenia Pistil Kind open closed Cohesion simple multiple compound	Form lobed lateral	Attachment ascending horizontal pendulous suspended	Coats Surface, a. b. c.
Stamens Number Position Insertion opposite oblique perigynous epigynous gynandrium in a disk epipetalous	Stamen Number Stigma Position terminal lateral sessile	Form oblong closed filiform linear	FRUIT apical locustical scapifrag circumscissile	Appendages anther circule strophile wing coma
Style Length long short didymous tetradymous Cohesion adclous sagacious	Form oblong closed filiform linear	Form oblong closed filiform linear	Kinds fleshy berry pepo pome	Albumen Quantity Texture Color
Gen. Features included exserted sessile connivent Filament Form capillary filiform	Position terminal lateral basilar	Form oblong closed filiform linear	Embryo Form straight bent rolled	Position as to Albumen outside inside
Surface, a. b. c. d. Anther Attachment imbricate adnate	Number Surface, a. b. c.	Form oblong closed filiform linear	Aggregate Accessory Multiple	Direction Length Fumule Position Cotyledons Form
Texture	No. of Cells superior half-superior inferior Form	Form oblong closed filiform linear	Odor Taste Pericarp Texture membranous coriaceous succulent	Size Number Texture

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CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
aquatic
parasitic
aerial

Duration

annual
biennial
perennial

Odor

.....

Juice

.....

Taste

.....

Gen. Char.

.....

Form

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chaaffy Texture	capals, petals appressed spreading reduced	versatile introrse extrorse pendulous	included exserted	Surface, a. b. c.
Calyx-Corolla				Color
Gamopetalous	sepal petal	sepalate petalate	free-central axillary parietal	Gen. Character
Gamopetalous	sepal petal	sepalate petalate	free-central axillary parietal	ribbed grooved furrowed
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	SEED
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Number
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Form
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	oblong ovate ovoid
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Attachment
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	sessile funiculate
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Coats
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Surface, a. b. c.
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Color
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Texture
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Appendages
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	art caruncle atrophied
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	wing coma
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Albumen
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	quantity
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Texture
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Color
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Embryo
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	form
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	straight bent rolled
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Size
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Position as to Albumen
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	outside inside
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Radicle
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Direction
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Length
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Plumule
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Number
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Position
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Corylocarp
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Form
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Size
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Number
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Texture
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Pericarp
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	Texture
cup-shaped	sepal petal	sepalate petalate	sepalate petalate	membranous coriaceous succulent

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GENERAL FEATURES.	Habit.	 hollow	8	 spatulate	4	 villous	 symmetrical
		 flexuose	9	 oblong	5	 silky	 complete
		 geniculate	10	 elliptical	6	 woolly	 perfect
Surface	Color	 tumid joint	11	 oval	7	 velvety	 regular
		 a. b. c	12	 round	8	.....	..... staminate
		.....	13	 ovate	9	.....	..... punctate
Height	Underground	.....	14	 obovate	10	Stems	 neutral
		.....	15	 cuneate	11	.....	.....
		.....	16	.....	12	.....	.....
Odor	Juice	.....	17	.....	13	.....	.....
		.....	18	.....	14	.....	.....
		.....	19	.....	15	.....	.....
Form	Gen. Char.	.....	20	.....	16	.....	.....
		.....	21	.....	17	.....	.....
		.....	22	.....	18	.....	.....
Root.	Stem.	.....	23	.....	19	.....	.....
		.....	24	.....	20	.....	.....
		.....	25	.....	21	.....	.....
Nature	Dir. of Growth	.....	26	.....	22	.....	.....
		.....	27	.....	23	.....	.....
		.....	28	.....	24	.....	.....
Branching	Special Forms	.....	29	.....	25	.....	.....
		.....	30	.....	26	.....	.....
		.....	31	.....	27	.....	.....
Gen. Char.	Stalk	.....	32	.....	28	.....	.....
		.....	33	.....	29	.....	.....
		.....	34	.....	30	.....	.....
Surface	Length	.....	35	.....	31	.....	.....
		.....	36	.....	32	.....	.....
		.....	37	.....	33	.....	.....
Height	Involute	.....	38	.....	34	.....	.....
		.....	39	.....	35	.....	.....
		.....	40	.....	36	.....	.....
Form	Receptacle	.....	41	.....	37	.....	.....
		.....	42	.....	38	.....	.....
		.....	43	.....	39	.....	.....
Gen. Char.	Flower.	.....	44	.....	40	.....	.....
		.....	45	.....	41	.....	.....
		.....	46	.....	42	.....	.....
Surface	Kind	.....	47	.....	43	.....	.....
		.....	48	.....	44	.....	.....
		.....	49	.....	45	.....	.....
Length	Stipules	.....	50	.....	46	.....	.....
		.....	51	.....	47	.....	.....
		.....	52	.....	48	.....	.....
Height	Adhesion	.....	53	.....	49	.....	.....
		.....	54	.....	50	.....	.....
		.....	55	.....	51	.....	.....
Form	Gen. Character	.....	56	.....	52	.....	.....
		.....	57	.....	53	.....	.....
		.....	58	.....	54	.....	.....
Surface	Duration	.....	59	.....	55	.....	.....
		.....	60	.....	56	.....	.....
		.....	61	.....	57	.....	.....
Height	BRACTS	.....	62	.....	58	.....	.....
		.....	63	.....	59	.....	.....
		.....	64	.....	60	.....	.....
Form	Gen. Character	.....	65	.....	61	.....	.....
		.....	66	.....	62	.....	.....
		.....	67	.....	63	.....	.....
Surface	Receptacle	.....	68	.....	64	.....	.....
		.....	69	.....	65	.....	.....
		.....	70	.....	66	.....	.....
Height	Terminal	.....	71	.....	67	.....	.....
		.....	72	.....	68	.....	.....
		.....	73	.....	69	.....	.....
Form	Axillary	.....	74	.....	70	.....	.....
		.....	75	.....	71	.....	.....
		.....	76	.....	72	.....	.....
Surface	Kind	.....	77	.....	73	.....	.....
		.....	78	.....	74	.....	.....
		.....	79	.....	75	.....	.....
Height	Soft Hairs	.....	80	.....	76	.....	.....
		.....	81	.....	77	.....	.....
		.....	82	.....	78	.....	.....
Form	Surface	.....	83	.....	79	.....	.....
		.....	84	.....	80	.....	.....
		.....	85	.....	81	.....	.....
Gen. Char.	Simple, Leaflets	.....	86	.....	82	.....	.....
		.....	87	.....	83	.....	.....
		.....	88	.....	84	.....	.....
Surface	Gen., Outline	.....	89	.....	85	.....	.....
		.....	90	.....	86	.....	.....
		.....	91	.....	87	.....	.....
Height	Gen. Char.	.....	92	.....	88	.....	.....
		.....	93	.....	89	.....	.....
		.....	94	.....	90	.....	.....
Form	Gen. Char.	.....	95	.....	91	.....	.....
		.....	96	.....	92	.....	.....
		.....	97	.....	93	.....	.....
Surface	Gen. Char.	.....	98	.....	94	.....	.....
		.....	99	.....	95	.....	.....
		.....	100	.....	96	.....	.....

.....chaffy Texture	capitate appressed spread reflexed	versatile introrse extrorse pendulous Form	included exserted	Surface, <i>a. b. c.</i>
Calyx. Corolla	sepals petals	sagittate peltate awned cordate lobed	free-central axillary laricetal	Color Con. Character ribbed grooved furrowed
Gamopetalous	Form	No. of Cells, <i>Deluscaee</i>	Ovules	SEED
.....rotate	a. b. c. d.	lateral	orthotropous campylotropous antitropous amphitropous	Form oblong ovate ovoid
.....cup-shaped	spurred	Pollen	Dir. in Ovary	Attachment
.....funnel-form	petals	Pellinia	erect	sessile funiculate
.....urn-shaped	a. b. c. d.	Pistil	ascending horizontal pendulous	Coats
.....top-shaped	Aestivation	Cohesion	suspended	Surface, <i>a. b. c.</i>
.....tubular	open	Number	FRUIT	Color Texture
.....ligulate	valvate	Number	sessile baccate circumscissile	Appendages
.....lobate	induplicate	Position	dry	Form straight bent rolled
.....galeate	reduplicate	terminal	acheneum	Size
.....runcinate	imbricate	lateral	utricle	Position as to Albumen outside inside
.....spurred	contorted	sessile	samara	Radicle
.....indicated	convolute	Form	legume	Length
.....saccate	plicata	Style	capsule	Fumule
	supervolv. it	Sperm	silique	Position
Stamens	Number	Position	pysis	Number Position
.....alterate	Petition	Form	Aggregate	Cottyledons Form
.....opposite	capitate	acid	Accessory	Size Number Texture
.....hypogynous	perigynous	globose	Multiple	
.....epigynous	gynandrous	filiform	No. of Cells	Odor
.....on a disk	on a disk	linear	Pericarp	Taste
.....epipetalous	epipetalous	Style	membranous	coriaceous
.....Length	long	Position	succulent	
.....short	didynamous	terminal		
.....tetradynamous	tetradynamous	lateral		
.....Cohesion	adipheous	basilar		
.....synchaesous	synchaesous	Ovary		
.....Gen. Features	included	Adhesion		
.....sessile	sessile	superior		
.....comitent	comitent	inferior		
.....Filament	Filament	Form		
.....Form	capillary	No. of Cells		
.....filiform	filiform	Surface, <i>a. b. c. d.</i>		
.....Surface, <i>a. b. c. d.</i>	Surface, <i>a. b. c. d.</i>	Gen. Features		
.....Anther	Anther			
.....imbricate	imbricate			
.....adnate	adnate			
Texture				

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CHECK TABLE.

GENERAL FEATURES.							
Habit.	terrestrial	1	hollow	8	spatulate	4	gillous
.....	aquatic	2	flexuose	9	oblong	5	sugy
.....	parasitic	3	geniculate	10	elliptical	6	perfect
.....	aerial	4	tumid joint	11	oval	7	regular
Duration	perennial	5	Surface	12	round	8	staminate
.....	annual	6	a. b. c.	13	ovate	9	pistillate
.....	biennial	7	Color	14	obovate	1	neutral
.....	perennial	8	Height	15	cuneate	2	.....
Odor	.....	9	Underground	16	.....	3	Odor
.....	.....	10	.....	17	.....	4	Plan
Juice	.....	11	.....	18	.....	5	.....
.....	.....	12	.....	19	.....	6	Stalk
.....	.....	13	.....	20	.....	7	.....
.....	.....	21	.....	22	.....	8	Length
.....	.....	23	.....	24	.....	9	.....
.....	.....	25	.....	26	.....	10	Surface
.....	.....	27	.....	28	.....	11	.....
.....	.....	29	.....	30	.....	12	Length
.....	.....	31	.....	32	.....	13	.....
.....	.....	33	.....	34	.....	14	.....
.....	.....	35	.....	36	.....	15	.....
.....	.....	37	.....	38	.....	16	.....
.....	.....	39	.....	40	.....	17	.....
.....	.....	41	.....	42	.....	18	.....
.....	.....	43	.....	44	.....	19	.....
.....	.....	45	.....	46	.....	20	.....
.....	.....	47	.....	48	.....	21	.....
.....	.....	49	.....	50	.....	22	.....
.....	.....	51	.....	52	.....	23	.....
.....	.....	53	.....	54	.....	24	.....
.....	.....	55	.....	56	.....	25	.....
.....	.....	57	.....	58	.....	26	.....
.....	.....	59	.....	60	.....	27	.....
.....	.....	61	.....	62	.....	28	.....
.....	.....	63	.....	64	.....	29	.....
.....	.....	65	.....	66	.....	30	.....
.....	.....	67	.....	68	.....	31	.....
.....	.....	69	.....	70	.....	32	.....
.....	.....	71	.....	72	.....	33	.....
.....	.....	73	.....	74	.....	34	.....
.....	.....	75	.....	76	.....	35	.....
.....	.....	77	.....	78	.....	36	.....
.....	.....	79	.....	80	.....	37	.....
.....	.....	81	.....	82	.....	38	.....
.....	.....	83	.....	84	.....	39	.....
.....	.....	85	.....	86	.....	40	.....
.....	.....	87	.....	88	.....	41	.....
.....	.....	89	.....	90	.....	42	.....
.....	.....	91	.....	92	.....	43	.....
.....	.....	93	.....	94	.....	44	.....
.....	.....	95	.....	96	.....	45	.....
.....	.....	97	.....	98	.....	46	.....
.....	.....	99	.....	100	.....	47	.....
.....	.....	101	.....	102	.....	48	.....
.....	.....	103	.....	104	.....	49	.....
.....	.....	105	.....	106	.....	50	.....
.....	.....	107	.....	108	.....	51	.....
.....	.....	109	.....	110	.....	52	.....
.....	.....	111	.....	112	.....	53	.....
.....	.....	113	.....	114	.....	54	.....
.....	.....	115	.....	116	.....	55	.....
.....	.....	117	.....	118	.....	56	.....
.....	.....	119	.....	120	.....	57	.....
.....	.....	121	.....	122	.....	58	.....
.....	.....	123	.....	124	.....	59	.....
.....	.....	125	.....	126	.....	60	.....
.....	.....	127	.....	128	.....	61	.....
.....	.....	129	.....	130	.....	62	.....
.....	.....	131	.....	132	.....	63	.....
.....	.....	133	.....	134	.....	64	.....
.....	.....	135	.....	136	.....	65	.....
.....	.....	137	.....	138	.....	66	.....
.....	.....	139	.....	140	.....	67	.....
.....	.....	141	.....	142	.....	68	.....
.....	.....	143	.....	144	.....	69	.....
.....	.....	145	.....	146	.....	70	.....
.....	.....	147	.....	148	.....	71	.....
.....	.....	149	.....	150	.....	72	.....
.....	.....	151	.....	152	.....	73	.....
.....	.....	153	.....	154	.....	74	.....
.....	.....	155	.....	156	.....	75	.....
.....	.....	157	.....	158	.....	76	.....
.....	.....	159	.....	160	.....	77	.....
.....	.....	161	.....	162	.....	78	.....
.....	.....	163	.....	164	.....	79	.....
.....	.....	165	.....	166	.....	80	.....
.....	.....	167	.....	168	.....	81	.....
.....	.....	169	.....	170	.....	82	.....
.....	.....	171	.....	172	.....	83	.....
.....	.....	173	.....	174	.....	84	.....
.....	.....	175	.....	176	.....	85	.....
.....	.....	177	.....	178	.....	86	.....
.....	.....	179	.....	180	.....	87	.....
.....	.....	181	.....	182	.....	88	.....
.....	.....	183	.....	184	.....	89	.....
.....	.....	185	.....	186	.....	90	.....
.....	.....	187	.....	188	.....	91	.....
.....	.....	189	.....	190	.....	92	.....
.....	.....	191	.....	192	.....	93	.....
.....	.....	193	.....	194	.....	94	.....
.....	.....	195	.....	196	.....	95	.....
.....	.....	197	.....	198	.....	96	.....
.....	.....	199	.....	200	.....	97	.....
.....	.....	201	.....	202	.....	98	.....
.....	.....	203	.....	204	.....	99	.....
.....	.....	205	.....	206	.....	100	.....

CHECK TABLET.

GENERAL FEATURES. Habit.	terrestrial	1	hollow	8	spatulate	4	villous	1	symmetrical
	aquatic	2	flexuose	9	oblong	5	sulky	2	complete
Surface	parietic	3	genuate	10	elliptical	6	wooly	3	perfect
	areal	4	tumid joint	11	oval	7	velvety	4	regular
Color	annual	5	a. b. c.	12	round	8		5	staminate
	bimam	6	d. e.	13	ovate			6	sessile
Height	perennial	7		14	obovate			7	pubescent
				15	cuneate			8	neutral
Duration				16				9	scabrous
				17				10	hispid
Underground				18				11	acutic
				19				12	spinous
Odor				20				13	prickly
				21				14	
Juice				22				15	
				23				16	
LEAVES.				24				17	
				25				18	
Kinds				26				19	
				27				20	
Form				28				21	
				29				22	
ROOT.				30				23	
				31				24	
Gen. Char.				32				25	
				33				26	
STEM.				34				27	
				35				28	
Nature				36				29	
				37				30	
Dir. of Growth				38				31	
				39				32	
Texture				40				33	
				41				34	
Venation				42				35	
				43				36	
Branching				44				37	
				45				38	
Special Forms				46				39	
				47				40	
Gen. Char.				48				41	
				49				42	
Flowers				50				43	
				51				44	
Receptacle				52				45	
				53				46	
Form				54				47	
				55				48	
Style				56				49	
				57				50	
Stigma				58				51	
				59				52	
Style				60				53	
				61				54	
Stigma				62				55	
				63				56	
Style				64				57	
				65				58	
Stigma				66				59	
				67				60	
Style				68				61	
				69				62	
Stigma				70				63	
	</								

..... chaffy Texture	Sepals, Petals appressed spreading reflexed	 versatile introrse extrorse pendulous form	 inserted	Surface, a. b. c.
calyx, Corolla .....	.....	.....	.....	Color
.....	.....	.....	.....	Om. Character
.....	.....	.....	.....	..... ribbed
.....	.....	.....	.....	..... grooved
.....	.....	.....	.....	..... furrowed
.....	.....	.....	.....	SEED
.....	.....	.....	.....	Number
.....	.....	.....	.....	Form
.....	.....	.....	.....	..... oblong
.....	.....	.....	.....	..... ovate
.....	.....	.....	.....	..... ovoid
.....	.....	.....	.....	Attachment
.....	.....	.....	.....	..... sessile
.....	.....	.....	.....	..... funiculate
.....	.....	.....	.....	Coats
.....	.....	.....	.....	Surface, a. b. c.
.....	.....	.....	.....	Color
.....	.....	.....	.....	Texture
.....	.....	.....	.....	Appendages
.....	.....	.....	.....	..... and
.....	.....	.....	.....	..... crumple
.....	.....	.....	.....	..... straphiole
.....	.....	.....	.....	..... coma
.....	.....	.....	.....	Albumen
.....	.....	.....	.....	quality
.....	.....	.....	.....	Texture
.....	.....	.....	.....	Color
.....	.....	.....	.....	Embryo
.....	.....	.....	.....	form
.....	.....	.....	.....	..... straight
.....	.....	.....	.....	..... bent
.....	.....	.....	.....	..... rolled
.....	.....	.....	.....	Size
.....	.....	.....	.....	Position as to Albumen
.....	.....	.....	.....	..... outside
.....	.....	.....	.....	..... inside
.....	.....	.....	.....	Radicle
.....	.....	.....	.....	Direction
.....	.....	.....	.....	Length
.....	.....	.....	.....	Flumule
.....	.....	.....	.....	Number
.....	.....	.....	.....	Position
.....	.....	.....	.....	Cotyledons
.....	.....	.....	.....	Form
.....	.....	.....	.....	Size
.....	.....	.....	.....	Number
.....				Texture
.....				Odor
.....				Taste
.....				Pericarp
.....				Texture
.....				membranous
.....				 coriaceous
.....				 succulent

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CHECK TABLE.

GENERAL FEATURES.	 hollow	 spatulate	 villous	 symmetrical
Habit.	 flexuose	 oblong	 silky	 complete
..... aquatic	 gonifoliate	 elliptical	 woolly	 regular
..... parasitic	 tumid joint	 oval	 velvety	 acuminate
..... aerial	 a. b. c	 round	 stiff hairs	 sessile
..... annual	 color	 ovate	 scariosus	 neutral
Duration	 Height	 cuneate	 hispid	 Odor
..... biennial	Underground	 obovate	 spinous	plan
..... per-annual	 corm	Base	 prickly	stalk
Odor	 tuber	 acuminate	 petiole	teriale
Juice	 bulb	 acute	form	Length
Color.	 sessile	 obtuse	 terete	Surface
Gen. Char.	 p. sessile	 truncate	 compressed	Petiole
Form	 stipulate	 emarginate	 lent-like	Length
..... conical	 exstipulate	 cordate	 Kind	Height
..... fasciform	 equitant	 auriculate	 margined	Surface
..... napiform	Arrangement	 sagittate	 clasping	Involute
..... ranose	 On the Sep.	 hastate	 clasping	form
..... solvent	 cauline	 petiolate	 sheathing	 rosaceous
..... fibrous	 radical	 12.....	 Stipules	 cup-shaped
..... fasciculate	 a. b. c	 13.....	 Length	 hemispherical
..... a. b. c	 Along the Axis	 14.....	 a. b. c. d.	 bell-shaped
Gen. Char.	 scattered.	 15.....	 Adaxial	 cylindrical
STEM.	 1.....	 16.....	 free	 conical
..... exogenous	 2.....	 17.....	 areolate	 ovoid
..... endogenous	 3.....	 18.....	 clasp	 concave
Texture	 4.....	 19.....	 Gen. Character	Salts
..... succulent	 5.....	 20.....	 membranous	No. of rows.
..... coriaceous	 6.....	 21.....	 foliaceous	Number.
..... rugose	 7.....	 22.....	 spinous	Direction.
..... S. on S.	 8.....	 23.....	 sphaerous	 appressed
Venation.	 9.....	 24.....	 Duration	 erect
..... straight	 10.....	 25.....	 persistent	 spreading
..... curved	 11.....	 26.....	 herbaceous	 reflexed
..... transverse	 12.....	 27.....	 furfuraceous	form
..... Netted.	 13.....	 28.....	BRACTS	a. b. c. d.
..... pinnate	 14.....	 29.....	 a. b. c. d.	Surface
..... 3-nerved	 15.....	 30.....	 Surface	 petaloidous
..... 5-nerved	 16.....	 31.....	 ven. Character	 foliaceous
..... radiate	 17.....	 32.....	 membranous	 spinous
Form.	 18.....	 33.....	 petaloidous	 rigid
..... Compound.	 19.....	 34.....	 spinous	 chafely.
..... pinnate	 20.....	 35.....	 Axillary	Receptacle
..... palmate	 21.....	 36.....	 solitary	form
..... foliate	 22.....	 37.....	 cuneate	 turn-shaped
Simple, Leaflets	 23.....	 38.....	 laciniate	 flat
Gen., Outline	 24.....	 39.....	 glomerule	 cylindrical
..... 1.....	 25.....	 40.....	 verticillate	 elongated
..... 2.....	 26.....	 41.....	 Form.	 conical
..... 3.....	 27.....	 42.....	 axillary	 convex
..... 4.....	 28.....	 43.....	 solitary	 hemispherical
..... 5.....	 29.....	 44.....	 raceme	Dist.
..... lanceolate	 30.....	 45.....	 corymb	 hypogynous
..... oblanceolate	 31.....	 46.....	 umbel	 perigynous
..... 7.....	 32.....	 47.....	 panicule	 epigynous
Special Forms	 33.....	 48.....	 thyrus	Surface
..... stalks	 34.....	 49.....	 spice	 naked
..... strobili	 35.....	 50.....	 spadix	 smooth
..... runners	 36.....	 51.....	 catkin	 punctate
..... tendrils	 37.....	 52.....	 head	 alveolate
..... thorns	 38.....	 53.....	 Flower.	 bristly
Gen. Char.	 39.....	 54.....	 Kinds	
..... terete	 40.....	 55.....		
..... striate	 41.....	 56.....		
..... grooved	 42.....	 57.....		
..... angled.	 43.....	 58.....		
..... solid	 44.....	 59.....		

.....chaffy Texture	capitate appressed spreading reflexed	versatile nitrosc pendulous	included exserted	Surface, a. b. c. Color
Calyx-Corolla	sepals petals	Form	Placitation	Gen. Character
Gamopetalous	cup-shaped campanulate funnel-form salver-form tub-shaped tubular ligulate bilabiate galeate trigonal personate spurred inflated saccate	No. of Cells, Dehiscence	Ovules	grooved furrowed
.....lobate	stamens	Pollin	Kind	SEED
.....saucer-shaped	stamens	Pollin	Kind	Number
.....cup-shaped	stamens	Pollin	Kind	Form
.....campanulate	stamens	Pollin	Kind	oblong
.....funnel-form	stamens	Pollin	Kind	ovoid
.....salver-form	stamens	Pollin	Kind	Attachment
.....tub-shaped	stamens	Pollin	Kind	sessile
.....tubular	stamens	Pollin	Kind	funiculate
.....ligulate	stamens	Pollin	Kind	Coats
.....bilabiate	stamens	Pollin	Kind	Surface, a. b. c.
.....galeate	stamens	Pollin	Kind	Color
.....trigonal	stamens	Pollin	Kind	Texture
.....personate	stamens	Pollin	Kind	Appendages
.....spurred	stamens	Pollin	Kind	anil
.....inflated	stamens	Pollin	Kind	gamule
.....saccate	stamens	Pollin	Kind	strophile
.....Border	stamens	Pollin	Kind	wing
.....truncate	stamens	Pollin	Kind	coma
.....entire	stamens	Pollin	Kind	Albumen
.....lobed	stamens	Pollin	Kind	quantity
.....cleft	stamens	Pollin	Kind	Texture
.....parted	stamens	Pollin	Kind	Color
Pappus	stamens	Pollin	Kind	Embryo
.....cup	stamens	Pollin	Kind	Form
.....scales	stamens	Pollin	Kind	straight
.....avens	stamens	Pollin	Kind	bent
.....bristles	stamens	Pollin	Kind	rolled
Propepal us	stamens	Pollin	Kind	Size
Polytelars	stamens	Pollin	Kind	Position as to Albumen
.....rosaceous	stamens	Pollin	Kind	outside
.....filaceous	stamens	Pollin	Kind	inside
.....cruciferous	stamens	Pollin	Kind	Endicle
.....eryophyllaceous	stamens	Pollin	Kind	Length
.....papilionaceous	stamens	Pollin	Kind	Fluents
.....anomalous	stamens	Pollin	Kind	Number
Duration	stamens	Pollin	Kind	Position
.....deciduous	stamens	Pollin	Kind	Cotyledons
.....marcescent	stamens	Pollin	Kind	Form
.....persistent	stamens	Pollin	Kind	Size
Color	stamens	Pollin	Kind	Number
.....calyx	stamens	Pollin	Kind	Texture
.....corolla	stamens	Pollin	Kind	Pericarp
Surface	stamens	Pollin	Kind	Texture
.....calyx	stamens	Pollin	Kind	membranous
.....ribbed	stamens	Pollin	Kind	coriaceous
.....nerved	stamens	Pollin	Kind	succulent
.....corolla	stamens	Pollin	Kind	
.....throat	stamens	Pollin	Kind	
Texture	stamens	Pollin	Kind	

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CHECK TABLE.

GENERAL FEATURES.	 hollow	8	 spatulate	4	 villous	 symmetrical
Habit.	 flexuose	9	 oblong	5	 silky	 complete
..... terrestrial	 geniculate	10	 elliptical	6	 woolly	 perfect
..... aquatic	 tumid joint	11	 oval	7	 velvety	 regular
..... parasitic	 a. b. c.	12	 round	8	 stiff hairs	 striate
Duration	Surface	13	 ovate	1	.....	..... psilate
..... aerial	 a. b. c.	14	 obovate	2	.....	..... neutral
..... annual	Color	15	 cuneate	3	.....	.....
..... biennial	Height	16	 annual	4	.....	.....
..... perennial	Underside	17	.....	5	.....	.....
Odor	 corn	b	Base	6	 prickly	Odor
..... tuber	 bulb	1	 acuminate	7	.....	Plan
Juice	 bulb	2	 acute	8	.....	Stalk
Leaves.	 sessile	3	 obtuse	9	.....	Form
Kind.	 p. etiolate	4	 truncate	10	.....	Length.
Keels.	 stipulate	5	 emarginate	11	 grooved	Surface.
..... equitant	 exstipulate	6	 cordate	12	 compressed	Length.
.....	.....	7	 auriculate	13	 leaf-like	Height.
Arrangement	.....	8	 sagittate	14	 margined	Surface.
On the Stem.	.....	9	 hastate	15	 clasping	Height.
..... cauline	.....	10	 petiole	16	 sheathing	Involute
..... radical	.....	11	 reniform	17	.....	Form
..... ramal	.....	12	 clasping	18	.....	..... rosaceous
Along the Axis.	.....	13	 decurrent	19	.....	..... cup-shaped
..... alternate	.....	14	.....	20	.....	..... hemispherical
..... scattered	.....	15	.....	21	.....	..... bell-shaped
..... rosulate	.....	16	.....	22	.....	..... cylindrical
..... fasciculate	.....	17	.....	23	.....	..... conical
Stem.	.....	18	.....	24	.....	..... ovoid.
..... exogenous	.....	19	.....	25	.....	.....
..... endogenous	.....	20	.....	26	.....	.....
Nature	.....	21	.....	27	.....	.....
..... herbaceous	.....	22	.....	28	.....	.....
..... suffrutescent	.....	23	.....	29	.....	.....
..... suffrutescent	.....	24	.....	30	.....	.....
..... liliaceous	.....	25	.....	31	.....	.....
..... arborescent	.....	26	.....	32	.....	.....
Dir. of Growth	.....	27	.....	33	.....	.....
..... erect	.....	28	.....	34	.....	.....
..... ascending	.....	29	.....	35	.....	.....
..... decumbent	.....	30	.....	36	.....	.....
..... diffuse	.....	31	.....	37	.....	.....
..... prostrate	.....	32	.....	38	.....	.....
..... climbing	.....	33	.....	39	.....	.....
..... twining	.....	34	.....	40	.....	.....
Branching	.....	35	.....	41	.....	.....
..... simple	.....	36	.....	42	.....	.....
..... furcate	.....	37	.....	43	.....	.....
..... excurrent	.....	38	.....	44	.....	.....
..... racemose	.....	39	.....	45	.....	.....
..... paniculate	.....	40	.....	46	.....	.....
..... corymbose	.....	41	.....	47	.....	.....
..... diffuse	.....	42	.....	48	.....	.....
Special Forms	.....	43	.....	49	.....	.....
..... adnatescent	.....	44	.....	50	.....	.....
..... suckers	.....	45	.....	51	.....	.....
..... stolons	.....	46	.....	52	.....	.....
..... offsets	.....	47	.....	53	.....	.....
..... runners	.....	48	.....	54	.....	.....
..... tendrils	.....	49	.....	55	.....	.....
..... thorns	.....	50	.....	56	.....	.....
Gen. Char.	.....	51	.....	57	.....	.....
..... terete	.....	52	.....	58	.....	.....
..... striate	.....	53	.....	59	.....	.....
..... grooved	.....	54	.....	60	.....	.....
..... angled	.....	55	.....	61	.....	.....
..... solid	.....	56	.....	62	.....	.....

....., chiefly Texture	, Sepals, Petals spreading reflexed sepals petals Form a. b. c. d. spurred petals A. B. C. d.	, versatile introrse exserted pendulous Form sessile pedicel arcuate lobed No. of Cells, d. Dehiscence lateral Pollen Pellina	, included exserted Placination free-central axillary parietal	, Surface, a. b. c. Color Gen. Character ribbed grooved narrowed SEED Form oblong oblong ovate ovoid Attachment sessile funiculate Coats Surface, a. b. c. Color Texture
....., Calyx. Corolla gamopetalous rotate saucer-shaped cup-shaped campanulate funnel-form salver-form turn-shaped top-shaped tubular ligulate lobate galeate ringent personate spurred inflated succate Border truncate entire lobed cleft parted Pappus cup scales awns bristles Polycephalus rosaceous lilaceous cruciferous caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat Texture	, Stamens Number, Position opposite insertion hypogynous perigynous epigynous gynandrous on a disk epichalazal Length long short didynamous tetradynamous Cohesion adelphous synergistic Gen. Features included exserted sessile connivent Filament Form capillary filiform Surface, a. b. c. d. Anther Attachment imbricate adnate	, Pistil Kind closed open simple multiple Number Stigma Number Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form filiform branched dehiscent Position terminal lateral basilar Number Surface, a. b. c. d. Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c. d. Gen. Features	, Ovules Kind anatropous campylotropous orthotropous campylotropous Di. in Ovary erect ascending horizontal pendulous suspended Number Fruit Dehiscence septicidal loculicidal septicidal circumscissile Kinds Fleshy berry pepo pome Stone drupe Dry achenium utricle samara follicle legume capsule silique siliqua pyxis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	, Surface, a. b. c. Color Gen. Character ribbed grooved narrowed SEED Form oblong oblong ovate ovoid Attachment sessile funiculate Coats Surface, a. b. c. Color Texture Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Plumule Position Cotyledons Form Size Number Texture

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[illegible]

.....chaffy Texture	Sopals, PetalsappressedspreadingreflexedsepalpetalForma. b. c. d.cup-shapedcampanulatefunnel-formsilver-formurn-shapedtop-shapedtubularligulatelobategaleaterufouspersonatespurredindicatedsaccate	versatileintrorseextrorsependulousformsagittatepellateawnedcordatelobedNo. of CellsDehiscencelateralPollenPelliniaPistilKindsopenclosedobovatesimplemultiplecompoundNumberStigmaNumberPosition1oppositeInfectionhypogynousperigynousepigynousgynandrouson a diskepitactalousLengthlongshortcruciferousdidynamoustetradynamousCohesionadcloussyngenesiousCen. FeaturesincludedassertedsessileconvientFilamentPetalcapillaryfiliformSurface a. b. c. d.AntherAttachmentinnateadnate	includedexsertedInfectionfree-centralaxillarylateralovulesKindorthotropouscampylotropousanatropousamphitropousDit. in OvaryerectascendinghorizontalpenduloussuspendedNumberFRUITDehiscencesepaloidloculoidsepaloidcircumscissileKindsFleshyBerryPepoPomeStoneDrupeDryacheniumuticlesamarafolliclelegumecapsulesiliquesileclepyxisAggregateAccessoryMultipleNo. of CellsOdorTastePericarpTexturemembranouscoriaceoussucculent	Surface a. b. c.ColorGen. CharacterribbedgroovedfurrowedSEEDNumberFormoblongovateovoidAttachmentsessileimbricateCoatsSurface a. b. c.ColorTextureAppendagesafilcarunclearophloewingcomaAlbumenquantityTextureColorEmbryoFormstraightbentrolledSizePosition as to AlbumenoutsideinsideRadicleDirectionLengthPlumulePositionOcotyledonsFormSizeNumberTexture
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..... chafly Texture	Sepals, Petals appressed spreading reflexed sepals petals Form a. b. c. d. e. spurred petals a. b. c. d. e.	 versatile introrse extrorse pendulous Form sagittate pedate avicel cordate lobed No. of Cells Dehiscence lateral Pollen Pollinia Pistil Kinds closed open Cohesion simple multiple Number Sigma Number Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form filiform branching declinate Position terminal lateral Number Surface, a. b. c. Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c. Gen. Features	 included exserted Placentation free-central axillary parietal Ovules Kind orthotropous campylotropous anatropous amphitropous Dis. in Ovary erect ascending horizontal suspended Number FRUIT Dehiscence septicidal loculicidal septifragal circumscissile Kinds Berry berry pepo pome Stone drupe Dry achenium utricle samara follicle legume capsule silique silicle pyxis Direction Length Plumule Number Position Corymbos Form Size Number Texture No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Surface, a. b. c. Color Gen. Character grooved ribbed furrowed SEED Number Form oblong ovate ovoid Attachment sessile funiculate Coats Surface, a. b. c. Color Texture Appendages aril caruncle strophiole wing coma Albumen quantity Texture Color Embryo Form straight bent rolled Position as to Albumen outside inside axile Direction Length Plumule Number Position Corymbos Form Size Number Texture
Calyx- Corolla Camptolobous lobate saucer-shaped cup-shaped campanulate funnel-form silver-form rim-shaped top-shaped tubular ligulate lobate galeate ringent personate spurred inflated saccate Border truncate calcare lobed cleft parted Pappus cup scales awns bristles Polycephalus Polytelous resaccous filaceous cruciferous caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surface calyx calyx ribbed nerved corolla throat Texture	Sepals, Petals appressed spreading reflexed sepals petals Form a. b. c. d. e. spurred petals a. b. c. d. e.	 versatile introrse extrorse pendulous Form sagittate pedate avicel cordate lobed No. of Cells Dehiscence lateral Pollen Pollinia Pistil Kinds closed open Cohesion simple multiple Number Sigma Number Position terminal lateral sessile Form discoid globose lobed filiform linear Style Form filiform branching declinate Position terminal lateral Number Surface, a. b. c. Ovary Adhesion superior half-superior inferior No. of Cells Form Surface, a. b. c. Gen. Features	 included exserted Placentation free-central axillary parietal Ovules Kind orthotropous campylotropous anatropous amphitropous Dis. in Ovary erect ascending horizontal suspended Number FRUIT Dehiscence septicidal loculicidal septifragal circumscissile Kinds Berry berry pepo pome Stone drupe Dry achenium utricle samara follicle legume capsule silique silicle pyxis Direction Length Plumule Number Position Corymbos Form Size Number Texture No. of Cells Odor Taste Pericarp Texture membranous coriaceous succulent	Surface, a. b. c. Color Gen. Character grooved ribbed furrowed SEED Number Form oblong ovate ovoid Attachment sessile funiculate Coats Surface, a. b. c. Color Texture Appendages aril caruncle strophiole wing coma Albumen quantity Texture Color Embryo Form straight bent rolled Position as to Albumen outside inside axile Direction Length Plumule Number Position Corymbos Form Size Number Texture

REMARKS:

ORDER:

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

DATE,

187.

No.

CHECK TABLET.

GENERAL FEATURES. Habit.	terrestrial	hollow	8	spatulate	4	villous	symmetrical	
	aquatic	geminate	9	oblong	5	sulky	complete	
	parasitic	tumid joint	10	clitipical	6	wooly	regular	
	aral	oval	11	round	7	velvety	staminate	
	Surface	a. b. c	ovate	12	obovate	8	scarcous	plisidate
		a. b. c	cuneate	13	ovate	9	hispid	neutral
	Color	a. b. c	cuneate	14	ovate	10	scarcous	neutral
		a. b. c	cuneate	15	ovate	11	scarcous	neutral
	Height	a. b. c	cuneate	16	ovate	12	scarcous	neutral
		a. b. c	cuneate	17	ovate	13	scarcous	neutral
Underground	a. b. c	chizoma	18	ovate	14	scarcous	neutral	
	a. b. c	chizoma	19	ovate	15	scarcous	neutral	
Odor	a. b. c	chizoma	20	ovate	16	scarcous	neutral	
	a. b. c	chizoma	21	ovate	17	scarcous	neutral	
Juice	a. b. c	chizoma	22	ovate	18	scarcous	neutral	
	a. b. c	chizoma	23	ovate	19	scarcous	neutral	
Form	a. b. c	chizoma	24	ovate	20	scarcous	neutral	
	a. b. c	chizoma	25	ovate	21	scarcous	neutral	
Gen. Char.	a. b. c	chizoma	26	ovate	22	scarcous	neutral	
	a. b. c	chizoma	27	ovate	23	scarcous	neutral	
STEM.	a. b. c	chizoma	28	ovate	24	scarcous	neutral	
	a. b. c	chizoma	29	ovate	25	scarcous	neutral	
Nature	a. b. c	chizoma	30	ovate	26	scarcous	neutral	
	a. b. c	chizoma	31	ovate	27	scarcous	neutral	
Dir. of Growth	a. b. c	chizoma	32	ovate	28	scarcous	neutral	
	a. b. c	chizoma	33	ovate	29	scarcous	neutral	
Branching	a. b. c	chizoma	34	ovate	30	scarcous	neutral	
	a. b. c	chizoma	35	ovate	31	scarcous	neutral	
Special Forms	a. b. c	chizoma	36	ovate	32	scarcous	neutral	
	a. b. c	chizoma	37	ovate	33	scarcous	neutral	
Gen. Char.	a. b. c	chizoma	38	ovate	34	scarcous	neutral	
	a. b. c	chizoma	39	ovate	35	scarcous	neutral	
Stalk	a. b. c	chizoma	40	ovate	36	scarcous	neutral	
	a. b. c	chizoma	41	ovate	37	scarcous	neutral	
Petiole	a. b. c	chizoma	42	ovate	38	scarcous	neutral	
	a. b. c	chizoma	43	ovate	39	scarcous	neutral	
Length	a. b. c	chizoma	44	ovate	40	scarcous	neutral	
	a. b. c	chizoma	45	ovate	41	scarcous	neutral	
Form	a. b. c	chizoma	46	ovate	42	scarcous	neutral	
	a. b. c	chizoma	47	ovate	43	scarcous	neutral	
Surface	a. b. c	chizoma	48	ovate	44	scarcous	neutral	
	a. b. c	chizoma	49	ovate	45	scarcous	neutral	
Height	a. b. c	chizoma	50	ovate	46	scarcous	neutral	
	a. b. c	chizoma	51	ovate	47	scarcous	neutral	
Kind	a. b. c	chizoma	52	ovate	48	scarcous	neutral	
	a. b. c	chizoma	53	ovate	49	scarcous	neutral	
Surface	a. b. c	chizoma	54	ovate	50	scarcous	neutral	
	a. b. c	chizoma	55	ovate	51	scarcous	neutral	
Length	a. b. c	chizoma	56	ovate	52	scarcous	neutral	
	a. b. c	chizoma	57	ovate	53	scarcous	neutral	
Form	a. b. c	chizoma	58	ovate	54	scarcous	neutral	
	a. b. c	chizoma	59	ovate	55	scarcous	neutral	
Surface	a. b. c	chizoma	60	ovate	56	scarcous	neutral	
	a. b. c	chizoma	61	ovate	57	scarcous	neutral	
Height	a. b. c	chizoma	62	ovate	58	scarcous	neutral	
	a. b. c	chizoma	63	ovate	59	scarcous	neutral	
Kind	a. b. c	chizoma	64	ovate	60	scarcous	neutral	
	a. b. c	chizoma	65	ovate	61	scarcous	neutral	
Surface	a. b. c	chizoma	66	ovate	62	scarcous	neutral	
	a. b. c	chizoma	67	ovate	63	scarcous	neutral	
Length	a. b. c	chizoma	68	ovate	64	scarcous	neutral	
	a. b. c	chizoma	69	ovate	65	scarcous	neutral	
Form	a. b. c	chizoma	70	ovate	66	scarcous	neutral	
	a. b. c	chizoma	71	ovate	67	scarcous	neutral	
Surface	a. b. c	chizoma	72	ovate	68	scarcous	neutral	
	a. b. c	chizoma	73	ovate	69	scarcous	neutral	
Height	a. b. c	chizoma	74	ovate	70	scarcous	neutral	
	a. b. c	chizoma	75	ovate	71	scarcous	neutral	
Kind	a. b. c	chizoma	76	ovate	72	scarcous	neutral	
	a. b. c	chizoma	77	ovate	73	scarcous	neutral	
Surface	a. b. c	chizoma	78	ovate	74	scarcous	neutral	
	a. b. c	chizoma	79	ovate	75	scarcous	neutral	
Length	a. b. c	chizoma	80	ovate	76	scarcous	neutral	
	a. b. c	chizoma	81	ovate	77	scarcous	neutral	
Form	a. b. c	chizoma	82	ovate	78	scarcous	neutral	
	a. b. c	chizoma	83	ovate	79	scarcous	neutral	
Surface	a. b. c	chizoma	84	ovate	80	scarcous	neutral	
	a. b. c	chizoma	85	ovate	81	scarcous	neutral	
Height	a. b. c	chizoma	86	ovate	82	scarcous	neutral	
	a. b. c	chizoma	87	ovate	83	scarcous	neutral	
Kind	a. b. c	chizoma	88	ovate	84	scarcous	neutral	
	a. b. c	chizoma	89	ovate	85	scarcous	neutral	
Surface	a. b. c	chizoma	90	ovate	86	scarcous	neutral	
	a. b. c	chizoma	91	ovate	87	scarcous	neutral	
Length	a. b. c	chizoma	92	ovate	88	scarcous	neutral	
	a. b. c	chizoma	93	ovate	89	scarcous	neutral	
Form	a. b. c	chizoma	94	ovate	90	scarcous	neutral	
	a. b. c	chizoma	95	ovate	91	scarcous	neutral	
Surface	a. b. c	chizoma	96	ovate	92	scarcous	neutral	
	a. b. c	chizoma	97	ovate	93	scarcous	neutral	
Height	a. b. c	chizoma	98	ovate	94	scarcous	neutral	
	a. b. c	chizoma	99	ovate	95	scarcous	neutral	
Kind	a. b. c	chizoma	100	ovate	96	scarcous	neutral	
	a. b. c	chizoma	101	ovate	97	scarcous	neutral	
Surface	a. b. c	chizoma	102	ovate	98	scarcous	neutral	
	a. b. c	chizoma	103	ovate	99	scarcous	neutral	
Length	a. b. c	chizoma	104	ovate	100	scarcous	neutral	
	a. b. c	chizoma	105	ovate	101	scarcous	neutral	
Form	a. b. c	chizoma	106	ovate	102	scarcous	neutral	
	a. b. c	chizoma	107	ovate	103	scarcous	neutral	
Surface	a. b. c	chizoma	108	ovate	104	scarcous	neutral	
	a. b. c	chizoma	109	ovate	105	scarcous	neutral	
Height	a. b. c	chizoma	110	ovate	106	scarcous	neutral	
	a. b. c	chizoma	111	ovate	107	scarcous	neutral	
Kind	a. b. c	chizoma	112	ovate	108	scarcous	neutral	
	a. b. c	chizoma	113	ovate	109	scarcous	neutral	
Surface	a. b. c	chizoma	114	ovate	110	scarcous	neutral	
	a. b. c	chizoma	115	ovate	111	scarcous	neutral	
Length	a. b. c	chizoma	116	ovate	112	scarcous	neutral	
	a. b. c	chizoma	117	ovate	113	scarcous	neutral	
Form	a. b. c	chizoma	118	ovate	114	scarcous	neutral	
	a. b. c	chizoma	119	ovate	115	scarcous	neutral	
Surface	a. b. c	chizoma	120	ovate	116	scarcous	neutral	
	a. b. c	chizoma	121	ovate	117	scarcous	neutral	
Height	a. b. c	chizoma	122	ovate	118	scarcous	neutral	
	a. b. c	chizoma	123	ovate	119	scarcous	neutral	
Kind	a. b. c	chizoma	124	ovate	120	scarcous	neutral	
	a. b. c	chizoma	125	ovate	121	scarcous	neutral	
Surface	a. b. c	chizoma	126	ovate	122	scarcous	neutral	
	a. b. c	chizoma	127	ovate	123	scarcous	neutral	
Length	a. b. c	chizoma	128	ovate	124	scarcous	neutral	
	a. b. c	chizoma	129	ovate	125	scarcous	neutral	
Form	a. b. c	chizoma	130	ovate	126	scarcous	neutral	
	a. b. c	chizoma	131	ovate	127	scarcous	neutral	
Surface	a. b. c	chizoma	132	ovate	128	scarcous	neutral	
	a. b. c	chizoma	133	ovate	129	scarcous	neutral	
Height	a. b. c	chizoma	134	ovate	130	scarcous	neutral	
	a. b. c	chizoma	135	ovate	131	scarcous	neutral	
Kind	a. b. c	chizoma	136	ovate	132	scarcous	neutral	
	a. b. c	chizoma	137	ovate	133	scarcous	neutral	
Surface	a. b. c	chizoma	138	ovate	134	scarcous	neutral	
	a. b. c	chizoma	139	ovate	135	scarcous	neutral	
Length	a. b. c	chizoma	140	ovate	136	scarcous	neutral	
	a. b. c	chizoma	141	ovate	137	scarcous	neutral	
Form	a. b. c	chizoma	142	ovate	138	scarcous	neutral	
	a. b. c	chizoma	143	ovate	139	scarcous	neutral	
Surface	a. b. c	chizoma	144	ovate	140	scarcous	neutral	
	a. b. c	chizoma	145	ovate	141	scarcous	neutral	
Height	a. b. c	chizoma	146	ovate	142	scarcous	neutral	
	a. b. c	chizoma	147	ovate	143	scarcous	neutral	
Kind	a. b. c	chizoma	148	ovate	144	scarcous	neutral	
	a. b. c	chizoma	149	ovate	145	scarcous	neutral	
Surface	a. b. c	chizoma	150	ovate	146	scarcous	neutral	
	a. b. c	chizoma	151	ovate	147	scarcous	neutral	
Length	a. b. c	chizoma	152	ovate	148	scarcous	neutral	
	a. b. c	chizoma	153	ovate	149	scarcous	neutral	
Form	a. b. c	chizoma	154	ovate	150	scarcous	neutral	
	a. b. c	chizoma	155	ovate	151	scarcous	neutral	
Surface	a. b. c	chizoma	156	ovate	152	scarcous	neutral	
	a. b. c	chizoma	157	ovate	153	scarcous	neutral	
Height	a. b. c	chizoma	158	ovate	154	scarcous	neutral	
	a. b. c	chizoma	159	ovate	155	scarcous	neutral	
Kind	a. b. c	chizoma	160	ovate	156	scarcous	neutral	
	a. b. c	chizoma	161	ovate	157	scarcous	neutral	
Surface	a. b. c	chizoma	162	ovate	158	scarcous	neutral	
	a. b. c	chizoma	163	ovate	159	scarcous	neutral	
Length	a. b. c	chizoma	164	ovate	160	scarcous	neutral	
	a. b. c	chizoma	165	ovate	161	scarcous	neutral	
Form	a. b. c	chizoma	166	ovate	162	scarcous	neutral	
	a. b. c	chizoma	167	ovate	163	scarcous	neutral	
Surface	a. b. c	chizoma	168	ovate	164	scarcous	neutral	
	a. b. c	chizoma	169	ovate	165	scarcous	neutral	
Height	a. b. c	chizoma	170	ovate	166	scarcous	neutral	
	a. b. c	chizoma	171	ovate	167	scarcous	neutral	
Kind	a. b. c	chizoma	172	ovate	168	scarcous	neutral	
	a. b. c	chizoma	173	ovate	169	scarcous	neutral	
Surface	a. b. c	chizoma	174	ovate	170	scarcous	neutral	
	a. b. c	chizoma	175	ovate	171	scarcous	neutral	
Length	a. b. c	chizoma	176	ovate	172	scarcous	neutral	
	a. b. c	chizoma	177	ovate	173	scarcous	neutral	
Form	a. b. c	chizoma	178	ovate	174	scarcous	neutral	
	a. b. c	chizoma	179	ovate	175	scarcous	neutral	
Surface	a. b. c	chizoma	180	ovate	176	scarcous	neutral	
	a. b. c	chizoma	181	ovate	177	scarcous	neutral	
Height	a. b. c	chizoma	182	ovate	178	scarcous	neutral	
	a. b. c	chizoma	183	ovate	179	scarcous	neutral	
Kind	a. b. c	chizoma	184	ovate	180	scarcous	neutral	
	a. b. c	chizoma	185	ovate	181	scarcous	neutral	
Surface	a. b. c	chizoma	186	ovate	182	scarcous	neutral	
	a. b. c	chizoma	187	ovate	183	scarcous	neutral	
Length	a. b. c	chizoma	188	ovate	184	scarcous	neutral	
	a. b. c	chizoma	189	ovate	185	scarcous	neutral	
Form	a. b. c	chizoma	190	ovate	186	scarcous	neutral	
	a. b. c	chizoma	191	ovate	187	scarcous	neutral	
Surface	a. b. c	chizoma	192	ovate	188	scarcous	neutral	
	a. b. c	chizoma	193	ovate	189	scarcous	neutral	
Height	a. b. c	chizoma	194	ovate	190	scarcous	neutral	
	a. b. c	chizoma	195	ovate	191	scarcous	neutral	
Kind	a. b. c	chizoma	196	ovate	192	scarcous	neutral	
	a. b. c	chizoma	197	ovate	193	scarcous	neutral	
Surface	a. b. c	chizoma	198	ovate	194	scarcous	neutral	
	a. b. c	chizoma	199	ovate	195	scarcous	neutral	
Length	a. b. c	chizoma	200	ovate	196	scarcous	neutral	
	a. b. c	chizoma	201	ovate	197	scarcous	neutral	
Form	a. b. c	chizoma	202	ovate	198	scarcous		

CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial
..... aquatic
..... parasitic
..... aerial
Duration annual
..... biennial
..... perennial

Odor

Juice
Color
Taste
Gen. Char.

Form

..... conical
..... fusiform
..... napiform
..... ramose
..... napiform
..... solvent
..... fibrous
..... fasciculate
..... aërial

Gen. Char.

STEM.
..... xogenous
..... endogenous

Nature

..... herbaceous
..... suffrutescent
..... fruticose
..... arborescent
..... arboresc.

Dir. of Growth

..... erect
..... ascending
..... decumbent
..... diffuse
..... prostrate
..... creeping
..... climbing
..... twining

Branching

..... simple
..... furcate
..... excurrent
..... racemose
..... paniculate
..... corymbose
..... diffuse

Special Forms

..... deliquescent
..... suckers
..... stolons
..... offsets
..... runners
..... tendrils
..... thorns

Gen. Char.

..... terete
..... strate
..... grooved
..... angled
..... solid

..... hollow
..... flexuose
..... geniculate
..... tumid joint
Surface
..... a. b. c.
Color
Height
Underground
..... rhizoma
..... corn
..... tuber
..... bulb

LEAVES.

Kinds
..... sessile
..... petiolate
..... stipulate
..... exstipulate
..... equitant

Arrangement

..... On the Stem.
..... radical
..... cauline
..... Along the Axis—
..... alternate,
..... scattered
..... rosulate
..... fasciculate
..... opposite
..... verticillate

Duration

..... persistent
..... deciduous
..... vernation

Texture

..... succulent
..... coriaceous
..... rugose
..... scarious
Venation.
..... straight
..... curved
..... transverse

Netted.

..... pinate
..... 3-nerved
..... 5-nerved
..... rulate

Form.

..... compound.
..... pinate
..... foliate

Simple, Leathes

..... a. Gen. Outline
..... 1. Gen. filiform
..... 2. acicular
..... 3. acerose
..... 4. subulate
..... 5. linear
..... 6. lanceolate
..... 7. oblanceolate

..... villous
..... silky
..... woolly
..... velvety
Soft Hairs
..... 1. scariosus
..... 2. hispid
..... 3. spinosus
..... 4. prickly

Petiole

..... Form
..... grooved
..... compressed
..... leaf-like
Kind
..... margined
..... clasping
..... sheathing
Surface
..... a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Stipules

..... Form
..... a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Adhesion

..... free
..... clasping
..... adnate
Gen. Character
..... membranous
..... foliaceous
..... spinous
..... setaceous
..... persistent
..... deciduous
..... deciduous

BRACCTS

..... a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Surface.

..... a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Gen. Character

..... petaloidous
..... foliaceous
..... scarious
..... spinous
..... petaloidous
..... membranous
..... spinous

INFLORESCENCE

Receptacle
..... Form
..... turn-shaped
..... concave
..... flat
..... cylindrical
..... elongated
..... conical
..... convex
..... hemispherical
..... Disk.
..... Hypogynous
..... perigynous
..... epigynous
..... Surface
..... naked
..... smooth
..... punctate
..... alveolate
..... bristly

Axillary

..... solitary
..... cyme
..... fascicle
..... glomerule
..... Verticillaster

Surface

..... a. No hairs
..... 1. glabrous
..... 2. glaucous
..... 3. punctate
..... 4. verrucose
..... 5. Soft Hairs
..... 1. pubescent
..... 2. pilosus
..... 3. pubescent

FLOWER.

Kinds

CHECK TABLE.

GENERAL FEATURES.

Habit.
terrestrial
aquatic
aerial
Duration
annual
biennial
perennial

Odor

Juice

Color

Taste.

Gen. Char.

ROOT.

Form.
conical
fusiform
napiform
ramose
solvent
fibrous
fasciculate
acrial

Gen. Char.

STEM.

exogenous
endogenous
Nature
herbaceous
suffrutescent
fruticose
arborescent
arborescent

Dir. of Growth

ascending
decumbent
diffuse
prostrate
creeping
climbing
twining
simple

Branching

tercitate
excurrent
racemose
paniculate
corymbose
deliquescent

Special Forms

suckers
stolons
offsets
runners
tendrils
thorns

Gen. Char.

filiform
acicular
acrose
subulate
linear
lanceolate
oblanccolate

Gen. Char.

simple, leafless
Gen. Outline
filiform
acicular
acrose
subulate
linear
lanceolate
oblanccolate

Gen. Char.

simple, leafless
Gen. Outline
filiform
acicular
acrose
subulate
linear
lanceolate
oblanccolate

Gen. Char.

simple, leafless
Gen. Outline
filiform
acicular
acrose
subulate
linear
lanceolate
oblanccolate

Gen. Char.

simple, leafless
Gen. Outline
filiform
acicular
acrose
subulate
linear
lanceolate
oblanccolate

hollow
flexuose
geniculate
tumid joint
Surface
a. b. c
Color
Height
Underground
rhizoma
tuber
bulb

LEAVES.
Kinds.
sessile
petiolate
stipulate
exstipulate
equitant

Arrangement

On the Stem.

Cauline

Radical

Along the Axis.

Along the Axis.

scattered
rosette
fasciculate
opposite
verticillate
Duration
persistent
deciduous
Vernation
retuse
pinnate
3-nerved
5-nerved
radiate
Form.
diffuse
Compound.
pinnate
palmate
foliate

Gen. Char.

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
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aristate

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aristate

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

spatulate
oblong
elliptical
ovate
round
ovate
obovate
cuneate
acuminate

Base
acuminate
acute
obtusate
truncate
retuse
emarginate
cordate
auriculate
hastate
peltate
reniform
claspings
connate
decurrent

Gen. Char.

Gen. Char.

Gen. Char.

Gen. Char.

Gen. Char.

Gen. Char.

acuminate
acute
obtusate
truncate
retuse
emarginate
cordate
auriculate
hastate
peltate
reniform
claspings
connate
decurrent

Gen. Char.

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cuspidate
micronate
aristate

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

symmetrical
complete
perfect
regular
staminate
pistillate
neutral

Color
a. b. c
Height
a. b. c
Surface
a. b. c
Length
a. b. c
Weight
a. b. c
Form
a. b. c

Gen. Char.

Gen. Char.

Gen. Char.

Gen. Char.

Gen. Char.

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
cordate
auriculate
hastate
peltate
reniform
claspings
connate
decurrent

Gen. Char.

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

Gen. Char.

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truncate
retuse
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cuspidate
micronate
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Gen. Char.

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Gen. Char.

acuminate
obtusate
truncate
retuse
emarginate
obcordate
cuspidate
micronate
aristate

CHECK TABLE.

GENERAL FEATURES.

Habit.

- 1 terrestrial
2 aquatic
3 parasitic
4 aerial
5 annual
6 biennial
7 perennial

Duration

- 1 annual
2 biennial
3 perennial

Odor

- 1 corn
2 bulb
3 LEAVES.

Kind

- 1 sessile
2 petiole
3 stipulate
4 equitant

Arrangement

- 1 in the stem.
2 cauline
3 radical
4 ramical
5 aerial

Along the Axis.

- 1 alternate.
2 scattered
3 rosulate
4 fasciculate
5 opposite
6 verticillate

Duration

- 1 persistent
2 deciduous

Vernation

- 1 succulent
2 coriaceous
3 rugose
4 scarious

Texture

- 1 straight
2 curved
3 transverse

Notes

- 1 pinnate
2 3-nerved
3 5-nerved
4 radiate

Form.

- 1 compound.
2 pinnate
3 palmate
4 foliate

Simple, Leaflets

- 1 Gen., *Outline*
2 acicular
3 acrose
4 subulate
5 linear
6 lanceolate
7 oblanceolate

Special Forms

- 1 suckers
2 stolons
3 offsets
4 runners
5 tendrils
6 thorns

Gen. Char.

- 1 caudex
2 striate
3 grooved
4 angled
5 solid

Gen. Char.

- 1 hollow
2 flexuose
3 geniculate
4 tumid joint

Surface

- 1 a.
2 b.
3 c.

Color

- 1 Height
2 Underground

Base

- 1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 orbiculate
8 cuspidate
9 mucronate
10 aristate

Apex

- 1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 orbiculate
8 cuspidate
9 mucronate
10 aristate

Margin

- 1 revolute
2 entire
3 serrate
4 dentate
5 crenate
6 repand
7 sinuate
8 incised
9 fringed
10 ciliate

Form

- 1 sessile
2 lobed
3 cleft
4 parted
5 pectinate
6 lyrate
7 runcinate
8 divided

Surface

- 1 No hairs
2 glabrous
3 glaucous
4 punctate
5 verrucose
6 pubescent
7 pilose
8 pubescent
9 pilose
10 pubescent

Soft Hairs

- 1 pubescent
2 pilose
3 pubescent
4 pilose
5 pubescent
6 pilose
7 pubescent

Kind

- 1 pubescent
2 pilose
3 pubescent
4 pilose
5 pubescent
6 pilose
7 pubescent

Gen. Char.

- 1 villous
2 silky
3 woolly
4 velvety

Stip Hairs

- 1 scabrous
2 hispid
3 spinous
4 prickly

Petiole

- 1 Form
2 grooved
3 compressed
4 leaf-like

End

- 1 margined
2 clasping
3 sheathing

Surface

- 1 a.
2 b.
3 c.

Stipules

- 1 Form
2 free
3 adnate

Gen. Character

- 1 membranous
2 to lacuous
3 spinous
4 scabrous
5 persistent
6 deciduous
7 fugacious

Bracts

- 1 a.
2 b.
3 c.
4 d.

Surface

- 1 a.
2 b.
3 c.
4 d.

Gen. Character

- 1 to lacuous
2 petaloidous
3 scarious
4 spinous
5 rigid
6 Chafly.

Receptacle

- 1 Form
2 urn-shaped
3 concave
4 flat
5 cylindrical
6 elongated
7 conical
8 convex
9 hemispherical
10 Disk.

hypo physis is

- 1 perigynous
2 epigynous

Surface

- 1 naked
2 smooth
3 punctate
4 alveolate
5 bristly

CHECK TABLE.

GENERAL FEATURES.

Habit.

.....terrestrial
.....aquatic
.....aerial
.....annual
.....biennial
.....perennial

Duration

.....

Odor

.....

Juice

.....
.....
.....

Form

.....conical
.....fusiform
.....napiform
.....ramose
.....solvent
.....fibrous
.....fasciculate
.....aerial

Gen. Char.

.....

STEM.

.....exogenous
.....endogenous

Nature

.....herbaceous
.....suffrutescent
.....fruticose
.....arborescent

Dir. of Growth

.....erect
.....ascending
.....decumbent
.....diffuse
.....prostrate
.....creeping
.....climbing
.....twining

Branching

.....simple
.....simple
.....furcate
.....excurrent
.....racemose
.....paniculate
.....corymbose
.....diffuse

Special Forms

.....deliquescent
.....suckers
.....stolons
.....runners
.....tendrils
.....thorns

Gen. Char.

.....terete
.....striate
.....grooved
.....angled
.....solid

.....hollow
.....flexuose
.....geniculate
.....tumin joint

Surface

.....a. b. c
.....retund
.....ovate
.....obovate
.....cuneate
.....

Color

.....

Height

.....

Underground

.....rhizoma
.....tuber
.....bulb
.....sessile
.....petiolate
.....scapulate
.....equitant

Arrangement

.....On the Stem.
.....cauline
.....radical
.....ramal
.....aerial

Along the Axis.

.....alternated.
.....scattered
.....rosulate
.....fasciculate
.....opposite
.....verticillate

Duration

.....persistent
.....deciduous

Vernation

.....

Texture

.....succulent
.....coriaceous
.....rugose
.....sarcous

Venation.

.....Parallel.
.....straight
.....curved
.....transverse

Netted

.....pinnate
.....3-nerved
.....5-nerved
.....radiate

Form.

.....Compound.
.....pinnate
.....palmate
.....foliate

Simple, Leaves

.....Gen. Outline
.....filiform
.....acicular
.....acrose
.....subulate
.....linear
.....lanceolate
.....oblanecolate

.....villous
.....silky
.....wooly
.....velvety

Stiff Hairs

.....scabrous
.....hispid
.....aculate
.....spinous
.....prickly

Petiole

.....Form
.....terete
.....grooved
.....compressed
.....leaf-like

End

.....marginated
.....clasping
.....sheathing

Surface

.....a. b. c

Stipules

.....Form
.....a. b. c

Achene

.....free
.....adnate

Gen. Character

.....membranous
.....to leucous
.....spinous
.....saccatus
.....persistent
.....deciduous
.....fugacious

Bracts

.....Form
.....a. b. c

Surface

.....a. b. c

Gen. Character

.....tonaceous
.....petaloidous
.....spinous
.....membranous
.....spinous

INFLORESCENCE

Terminal

.....solitary
.....cyme
.....fascicle
.....glomerule
.....verticillaster

Axillary

.....solitary
.....raceme
.....corymb
.....uncol
.....panic
.....thyrsus
.....spike
.....spadix
.....catkin
.....head

FLOWER.

Kinds

.....

Surface

.....No hairs
.....glabrous
.....glaucous
.....punctate
.....verucose

Soft Hairs

.....pubescent
.....pilose
.....pubescent

.....symmetrical
.....complete
.....perfect
.....regular
.....staminate
.....pistillate
.....neutral

Odor

.....

Plan

.....

stalk

.....Pedicel
.....Length. a. b. c.

Pedicel

.....Length.
.....Height.

Involute

.....Form
.....rosaceous
.....cup-shaped
.....hemispherical
.....bell-shaped
.....cylindrical
.....conical
.....ovoid.

Scapes

.....Scales
.....No. of Voles
.....Number.

Direction.

.....erect
.....spreading
.....reflexed

Form

.....a. b. c. d.

Surface

.....a. b. c.

Texture

.....petaloidous
.....tonaceous
.....sarcous
.....spinous
.....rigid
.....chafly.

Receptacle

.....Form
.....urn-shaped
.....concave
.....flat
.....cylindrical
.....elongated
.....conical
.....convex
.....hemispherical

Disk.

.....hypogynous
.....perigynous
.....epigynous

Surface

.....naked
.....smooth
.....plicate
.....alveolate
.....bristly

CHECK TABLE.

GENERAL FEATURES. Habit.	terrestrial	8	spatulate	4	villous	 symmetrical
	aquatic	9	oblong	5	sulky	 complete
	parasitic	10	cliptical	6	wooly	 perfect
Duration	aerial	11	oval	7	velvety	 regular
	annual	12	ovate	8	Stip Hairs	 stipulate
	biennial	13	obovate	1	scabrous	 punctate
Odor	perennial	14	cuneate	2	hispid	 neutral
		15	.....	3	acutate	.....
		16	.....	4	spinous	.....
Juice		b	<i>Base</i>	5	prickly	Odor
		1	acuminate	6		Plan
		2	acute			Stalk
LEAVES. Kinds		3	obtusate			Petiole
		4	truncate			Form
		5	retuse			Length
Form		6	emarginate			Surface
		7	cordate			Length
		8	auriculate			Kind
Arrangement <i>On the Stem</i>		9	sagittate			Height
		10	hastate			Surface
		11	peltate			Involute
Along the Axis		12	reniform			Form
		13	claspine			Stipules
		14	connate			Length
Gen. Char.		15	decurrent			Kind
		16	.....			Surface
		17	.....			Involute
STEM.		c	<i>Apex</i>			Form
		1	acuminate			Surface
		2	acute			Kind
Nature		3	obtusate			Stipules
		4	obtusate			Length
		5	retuse			Kind
Duration		6	emarginate			Surface
		7	cordate			Involute
		8	auriculate			Form
Vernation		9	sagittate			Surface
		10	hastate			Kind
		11	peltate			Stipules
Texture		12	reniform			Length
		13	claspine			Kind
		14	connate			Surface
Venation. <i>Primary</i>		15	decurrent			Involute
		16	.....			Form
		17	.....			Surface
Form.		18	acuminate			Kind
		19	acute			Stipules
		20	obtusate			Length
Special Forms		21	obtusate			Kind
		22	obtusate			Surface
		23	obtusate			Involute
Gen. Char.		24	obtusate			Form
		25	obtusate			Surface
		26	obtusate			Kind
Receptaclo		27	obtusate			Form
		28	obtusate			Surface
		29	obtusate			Involute
Flower.		30	obtusate			Form
		31	obtusate			Surface
		32	obtusate			Involute
Kind.		33	obtusate			Form
		34	obtusate			Surface
		35	obtusate			Involute

..... clarify	 versatile	 No. of Cells	 included	 Surface, a. b. c.
Calyx- Corolla	 inrose	 lateral	 Placination	 Color
Gamopetalous	 pendulous	 lateral	 free-central	 Gen. Character
..... rotate	 form	 lateral	 axillary	 ribbed
..... saucer-shaped	 sepals	 lateral	 petaloid	 furrowed
..... cup-shaped	 petals	 lateral	 ovules	SEED
..... campanulate	 Form	 lateral	 orthotropous	Form
..... funnel-form	 a. b. c. d.	 lateral	 campylotropous	 oblong
..... silver-form	 spurred	 lateral	 anatropous	 ovate
..... urn-shaped	 petals	 lateral	 amphitropous	 ovoid
..... top-shaped	 a. b. c. d.	 lateral	 Dir. in Ovary	Attachment
Aestivation	.....	.....	..... great	 sessile
..... imbricate	.....	.....	..... ascending	 funiculate
..... valvate	.....	.....	..... pendulous	Coats
..... induplicate	.....	.....	..... suspended	 Surface, a. b. c.
..... repuplicate	.....	.....	FRUIT	 Color
..... imbricate	.....	.....	..... loculicidal	Appendages
..... contorted	.....	.....	..... loculicidal	 anil
..... plicate	.....	.....	..... septifragal	 caruncle
..... supervolvate	.....	.....	..... circumscissile	 straphide
Stamens	.....	.....	Kinds	 wing
..... Number	.....	.....	..... berry	 coma
..... alternate	.....	.....	..... pepo	Albumen
..... opposite	.....	.....	..... pepo	 quantity
Insertion	.....	.....	..... pepo	 Testro
..... hypogynous	.....	.....	..... pepo	 Color
..... perigynous	.....	.....	..... pepo	Embryo
..... epigynous	.....	.....	..... pepo	 Form
..... gynandrium	.....	.....	..... pepo	 bent
..... on a disk	.....	.....	..... pepo	 rolled
..... epipetalous	.....	.....	..... pepo	.....
Length	.....	.....	..... pepo	.....
..... long	.....	.....	..... pepo	.....
..... short	.....	.....	..... pepo	.....
..... didynamous	.....	.....	..... pepo	.....
..... tetradynamous	.....	.....	..... pepo	.....
Cohesion	.....	.....	..... pepo	.....
..... adelphous	.....	.....	..... pepo	.....
..... syngenesious	.....	.....	..... pepo	.....
Gen. Features	.....	.....	..... pepo	.....
..... included	.....	.....	..... pepo	.....
..... exerted	.....	.....	..... pepo	.....
..... sessile	.....	.....	..... pepo	.....
..... connivent	.....	.....	..... pepo	.....
Filament	.....	.....	..... pepo	.....
Form	.....	.....	..... pepo	.....
..... capillary	.....	.....	..... pepo	.....
..... filiform	.....	.....	..... pepo	.....
Surface, a. b. c.	.....	.....	..... pepo	.....
..... Anther	.....	.....	..... pepo	.....
Attachment	.....	.....	..... pepo	.....
..... innate			 pepo	
..... adnate			 pepo	

REMARKS:

ORDER:

No.

Name, { SCIENTIFIC,
COMMON,

LOCALITY,

DATE,

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CHECK TABLE.

GENERAL FEATURES.

Habit.

terrestrial
aquatic
parasitic
axial

Duration.

annual
biennial
perennial

Odor.

Juice.

Colo.
Taste.
Gen. Char.

ROOT.

Form.

conical
fusiform
nupiform
rhizome
solvent
fibrous
fasciculate
aerial

Gen. Char.

STEM.

exogenous
endogenous

Nature.

herbaceous
suffrutescent
fruticose
arborescent

Dir. of Growth.

erect
ascending
decumbent
diffuse

Branching.

simple
simple
excurrent
racemose
paniculate
diffuse

Special Forms.

deliquescent
suckers
stolons
offsets
runners
tendrils

Gen. char.

thorns
tendrils
terete
striate
grooved
angled
solid

hollow
flexuose
geniculate
tumid joint

Surface.

oblong
oval
round
ovate
obovate
cuneate

Color.

Height.

Underground.

rhizoma
tuber
bulb

Kinds.

sessile
petiolate
stipulate
exstipulate
equitant

Arrangement.

On the stem.
cauline
radical
runeal

Along the Axis.

scattered
rosulate
fasciculate
opposite
verticillate

Duration.

perennial
deciduous
deciduous

Vernation.

seculent
coriaceous
rugose
sericeous

Texture.

crisp
straight
curved
transverse

Noted.

pinate
3-nerved
5-nerved
radiate

Form.

compend.
pinate
foliote

Simple, leaflets
Gen. Outline
filiform
acicular
acrose
linear
lanceolate
oblanccolate

Surface.

No hairs
glabrous
glauous
punctate
verucose

Soft Hairs.

pubescent
pilose
pubescent

villous
silty
wooly
velvety

Stiff hairs.

serious
hispid
spinous
prickly

Petiole.

Form
terete
grooved
compressed
half-like

Kind.

marginated
clashing
sheathing

Surface.

a. b. c. d.
Form
Asterion

Stripes.

a. b. c. d.
Form
Asterion

Apex.

acuminate
obtusate
obuse
truncate
retuse
emarginate
cordate
auriculate
sigillate
lobate

petate
reniform
clashing
comate
decurrent

Margin.

entire
serrate
dentate
crenate
repand
sinuate
incised
fringed
ciliate

Bracts.

a. b. c. d.
Form
Leaf Character

membranous
foliaceous
spinous
sacaceous
persistent
deciduous
ligulate

Terminal.

solitary
cyme
fascicle
glomerule
verticillaster

Axillary.

solitary
raceme
corymb
umbel
panicle
thyrsus
spike
spadix
catkin
head

FLOWER.

Kinds

symmetrical
complete
perfect
regular
staminate
pistillate
neutral

Odor.

Plan

Stalk.

Length.
Surface. a. b. c. e.

Pedicel.

Length.
Height.
Surface. a. b. c. e.

Involute.

Form
sacaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid.

Scales.

No. of rows.
Number.

Direction.

erect
spreading
relaxed

Form. a. b. c. d. e.
Surface. a. b. c. e.

Receptacle.

Form
urn-shaped
concave
flat

cylindrical
elongated
conical
convex
hemispherical

Dist.

hyponymous
perigynous
epigynous

Surface.

naked
smooth
punctate
alveolate
bristly

..... chaffy Texture	 included inserted	 versatile introrse pendulous form sagittate pedate ovate cordate lobed No. of Cells Dehiscence lateral Pollen Pollinia	 Surface, <i>a. b. c.</i> Gen. Character ribbed grooved furrowed Seed Number Form oblong obovate oval Attachment sessile funiculate Coats Surface, <i>a. b. c.</i> Color Texture
Calyx. Corolla gamopetalous gamopetalous saucer-shaped cup-shaped campanulate funnel-form urn-shaped top-shaped lobulate bilobate lobate ringent personate spurred inflated sacculate	Sepals, Petals apressed spreading reflexed sepals petals form sepals a. b. c. d. spurred petals a. b. c. d. Aestivation valvate imbricate reduplicate imbricate contorted plicate superovoid	Stamens Number alternate opposite insertion hypogynous perigynous epigynous gynandrous on a disk circumscissile Length long short didynamous tetradynamous Coecion adnate synchaetous Gen. Features included sessile connivent Filament Form capillary filiform Surface, <i>a. b. c. d.</i> Anther imbricate adnate	Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Plumule Number Position Cotyledons Form Size Number Texture
Border truncate entire lobed parted Pappus cup scales awns bristles Pappus Polycephalous Polycephalous rosaceous filicaceous cruciferous Caryophyllaceous papilionaceous anomalous Duration deciduous marcescent persistent Color calyx corolla Surface calyx ribbed nerved corolla throat Texture	Dehiscence loculicidal septicidal circumscissile Kind fleshy berry pepo pome Stems drupe Dry achenium utricle samara follicle legume capsule silique siliqua Pycnis Aggregate Accessory Multiple No. of Cells Odor Taste Pericarp Texture membranous cartaceous succulent	Gen. Features Ovary Achenium superior half-superior inferior No. of Cells Form Surface, <i>a. b. c.</i> Gen. Features	Appendages articulate articulate scaphiole wing coma Albumen Quantity Texture Color Embryo Form straight bent rolled Size Position as to Albumen outside inside Radicle Direction Length Plumule Number Position Cotyledons Form Size Number Texture

REMARKS:

ORDER:

Name, { SCIENTIFIC,

{ COMMON,

LOCALITY,

DATE,

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CHECK TABLE.

GENERAL FEATURES.

Habit. terrestrial aquatic parasitic aerial annual biennial per-annual

Odor

.....

Juice

.....

Taste

.....

ROOT.

Form

..... conical fibrous napiform tapiform rhizomatous fibrous fasciculate acutal

Gen. Char.

.....

STEM.

..... exogenous endogenous herbaceous suffrutescent suffruticose fruticose arborescent areoloseous erect assurgent decumbent diffuse prostrate creeping climbing twining

Dir. of Growth

..... simple furcate excurrent racemose paniculate corymbose diffuse

Branching

..... simple furcate excurrent racemose paniculate corymbose diffuse

Special Forms

..... suckers stolons offsets runners tendrils thorns Gen. Char. terete grooved angled solid

..... hollow flexuose geniculate tumid joint Surface a. b. c. d. e. f. g. h. i. j. k. l. m. n. o. p. q. r. s. t. u. v. w. x. y. z.

Color

.....

Height

.....

Underground

.....

Base

.....

Petiole

.....

Form

.....

Length

.....

Stipules

.....

Along the Axis.

.....

Apex

.....

Margin

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Texture

.....

Venation

.....

Duration

.....

Persistent

.....

Deciduous

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Vegetation

.....

Texture

.....

Venation

.....

Netted

.....

Form.

.....

Compound

.....

Simple

.....

Gen. Outline

.....

Form.

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Compound

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Simple

.....

Gen. Outline

.....

Form.

.....

Compound

.....

Simple

.....

Gen. Outline

.....

..... villous silky woolly velvety stamineate pistillate neutral

Stiff hairs

.....

Color

.....

Height

.....

Underground

.....

Base

.....

Petiole

.....

Form

.....

Length

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Stipules

.....

Along the Axis.

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Apex

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Margin

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Texture

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Venation

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Duration

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Persistent

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Deciduous

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Vegetation

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Texture

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Venation

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Netted

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Form.

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Compound

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Simple

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Gen. Outline

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Form.

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Compound

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Simple

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Gen. Outline

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Form.

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Compound

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Simple

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..... symmetrical complex perfect regular stamineate pistillate neutral

Stiff hairs

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Color

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Height

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Underground

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Base

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Petiole

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Form

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Length

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Stipules

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Along the Axis.

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Apex

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Margin

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Texture

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Venation

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Duration

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Persistent

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Deciduous

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Vegetation

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Texture

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Venation

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Netted

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Form.

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Compound

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Simple

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Gen. Outline

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Form.

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Compound

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Simple

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Gen. Outline

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Form.

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Compound

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Simple

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