

PLATE 5. LEAF APICES, VENATION, AND BASES

APICES



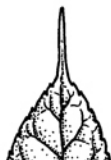
BROADLY NARROWLY ABRUPTLY  
ACUMINATE



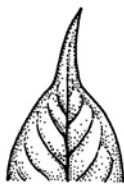
BROADLY NARROWLY  
ACUTE



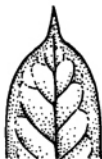
APICULATE



ARISTATE



CAUDATE



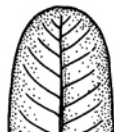
CUSPIDATE



EMARGINATE



MUCRONATE



OBTUSE



RETUSE

VENATION



ARCUATE



PALMATE



PARALLEL



PINNATE



RETICULATE

BASES



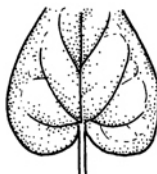
ATTENUATE



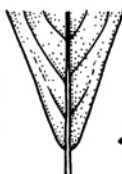
AURICULATE



CLASPING



CORDATE



CUNEATE



HASTATE



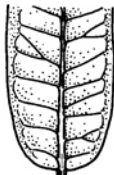
OBLIQUE



PELTATE



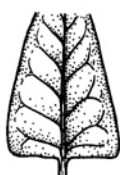
PERFOLIATE



ROUNDED

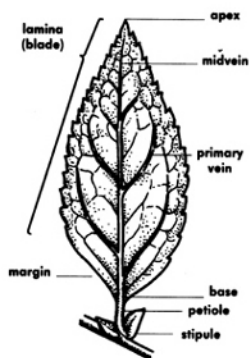


SAGITTATE



TRUNCATE

PLATE 2. LEAF COMPOSITION, PARTS, AND TYPES



LEAF PARTS



ALTERNATE

OPPOSITE

WHORLED



IMBRICATE

FASCICLED



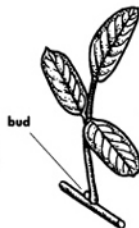
SIMPLE  
(SESSILE)



PALMATELY  
COMPOUND



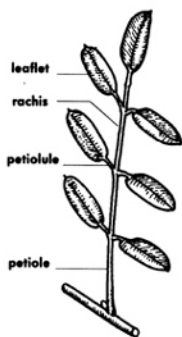
PALMATELY  
TRIFOLIOLATE  
(TERNATE)



PINNATELY  
TRIFOLIOLATE



BITERNATE



ODD-PINNATE



EVEN-PINNATE



BIPINNATE

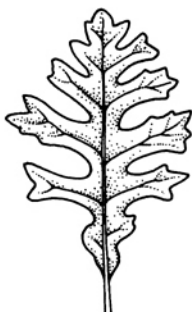


TRIPINNATE

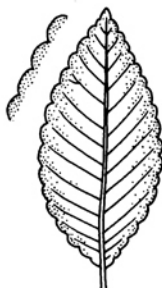
PLATE 4. LEAF MARGINS



CILIATE



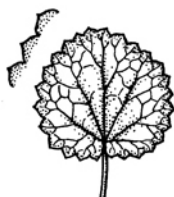
CLEFT



CRENATE



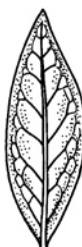
CRENULATE



DENTATE



DENTICULATE



ENTIRE



INCISED



INVOLUTE



LACERATE



LACINIATE



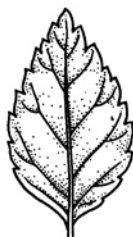
LOBED



PINNATIFID



REVOLUTE



SERRATE



DOUBLY SERRATE



SERRULATE

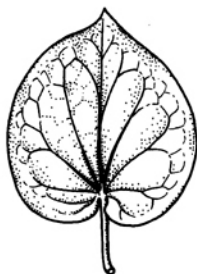


SINUATE

PLATE 3. LEAF SHAPES



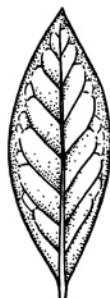
ACICULAR



CORDATE



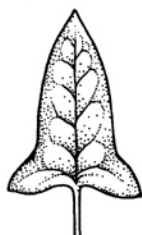
DELTOID



ELLIPTIC



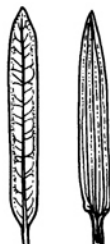
FALCATE



HASTATE



LANCEOLATE



LINEAR



LYRATE



OBOVATE



OBLANCEOLATE



OBLONG



OBOVATE



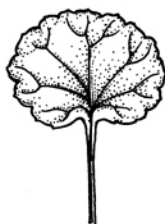
ORBICULAR



OVAL



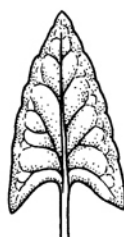
OVATE



RENIFORM



RUNCINATE



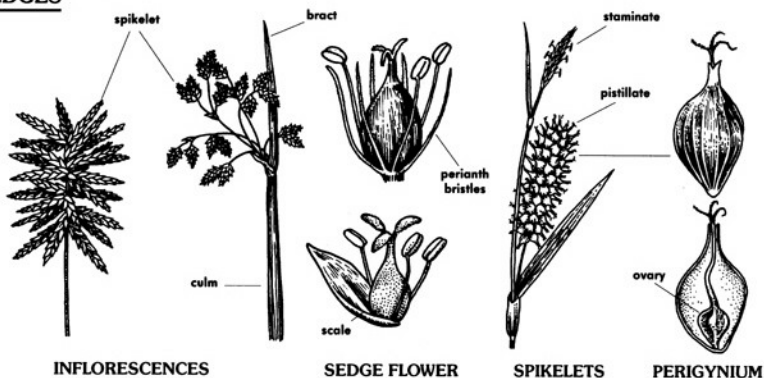
SAGITTATE



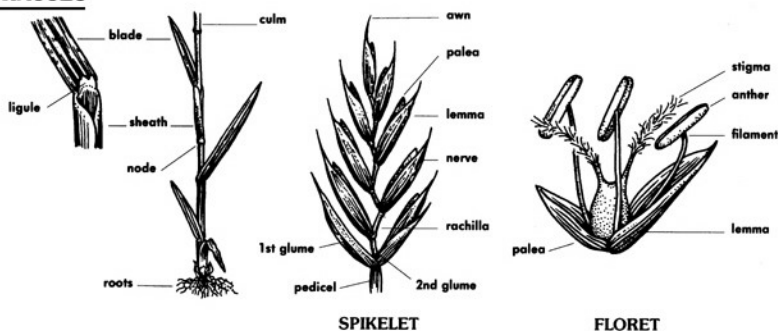
SPATULATE

PLATE 12. SEDGES, GRASSES, AND COMPOSITES

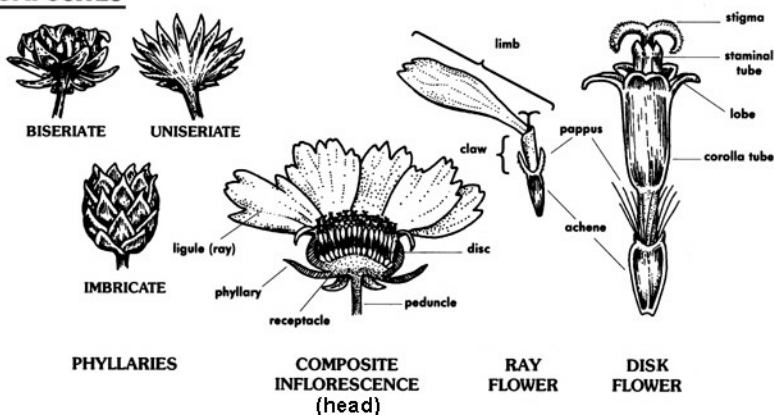
SEDGES



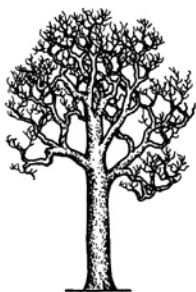
GRASSES



COMPOSITES



**PLATE 1: STEM AND ROOT TYPES**



**TREE**



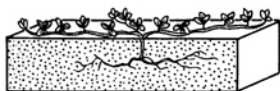
**SHRUB**



**ASCENDING**



**DECUMBENT**



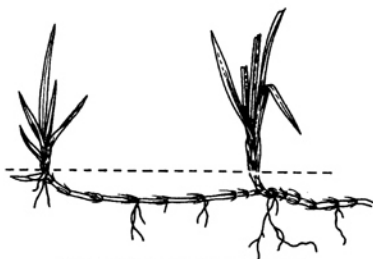
**PROCUMBENT**



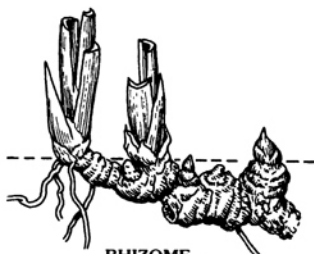
**REPENT**



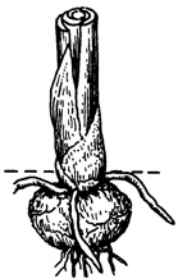
**STOLONIFEROUS**



**STOLONIFEROUS RHIZOME**



**RHIZOME**



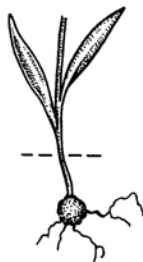
**CORM**



**FIBROUS**

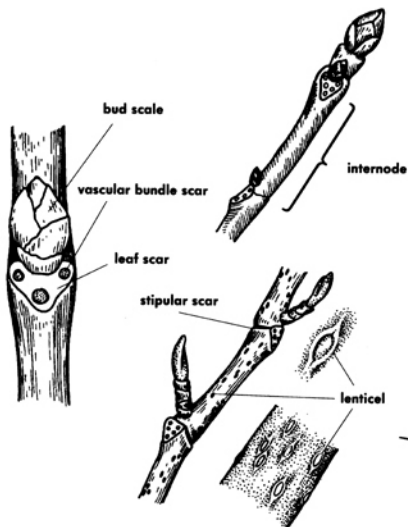


**TAP**

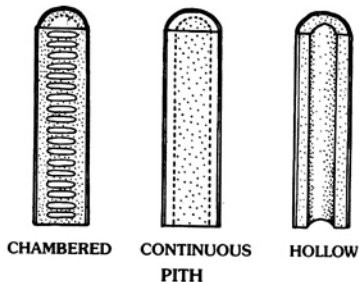


**TUBEROUS**

PLATE 7. STEM AND LEAF PARTS, AND VARIATIONS



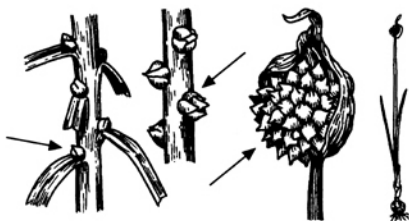
STEM / TWIG



CHAMBERED

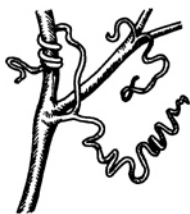
CONTINUOUS  
PITH

HOLLOW



BULBIL

BULBLET



TENDRIL



SPUR



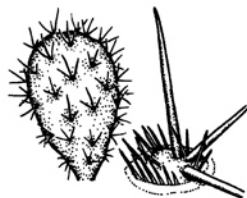
THORNS



PRICKLE



SPINE



GLOCHIDiate

PLATE 6. SURFACE FEATURES



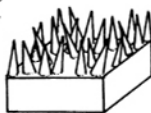
ANTRORSE RETRORSE  
BARBELLATE



CANESCENT



COMOSE



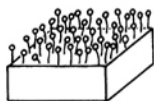
ECHINATE



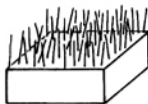
FARINACEOUS



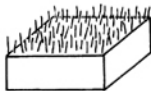
FLOCOSE



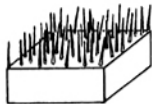
GLANDULAR



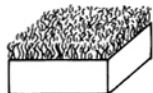
HIRSUTE



HIRTELLOUS



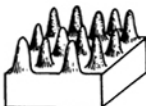
HISPID



LANATE



LEPIDOTE



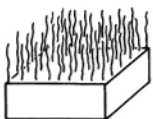
MURICATE



PANNATE



PAPILLATE



PILOSE



PUBERULENT



PULVERULENT



RESINOUS



SCABROUS



SCURFY



SERICEOUS



SETOSE



STELLATE



STRIGOSE



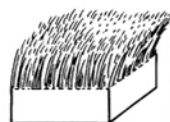
TOMENTOSE



TUBERCULATE



UNCINATE



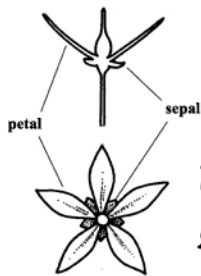
VELUTINOUS



VILLOUS



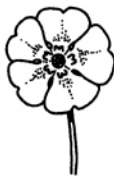
PLATE 10. COROLLA TYPES



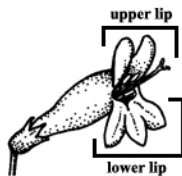
SEPALS & PETALS



TEPALS



ROTATE



BILABIATE



CRUCIFORM



CORONATE



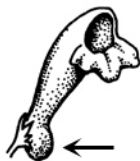
CAMPANULATE



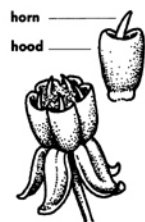
FUNNELFORM



GALEATE



GIBBOUS



HOOD & HORN



LIGULATE



PALATE



PAPILIONACEOUS



CARINATE



SACCATE



SALVERFORM



SPURRED



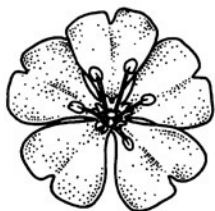
TUBULAR



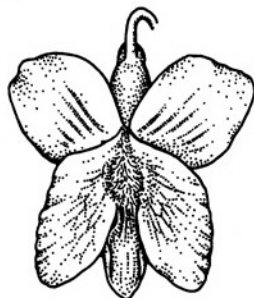
URCEOLATE

**PLATE 9. FLORAL MORPHOLOGY**

**SYMMETRY**



**ACTINOMORPHIC / RADIAL SYMMETRY**



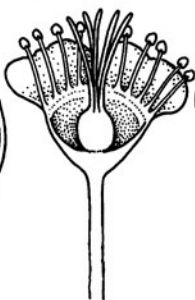
**ZYGMORPHIC / BILATERAL SYMMETRY**

**OVARY POSITION**



**SUPERIOR**

**HYOGYNOUS**



**SUPERIOR**

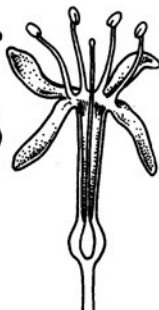
**PERIGYNOUS**



**1/2 INFERIOR**



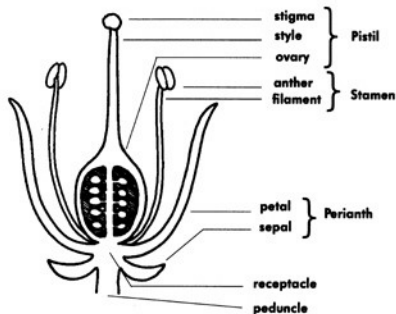
**INFERIOR**



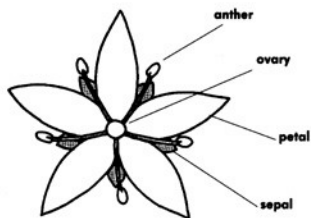
**INFERIOR**

**EPIGYNOUS**

**COMPONENTS**



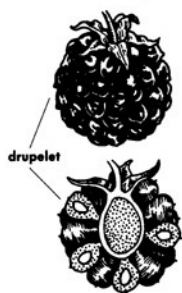
**FLOWER LONGITUDINAL SECTION**



**FLOWER TOP VIEW**

PLATE 11. FRUIT TYPES

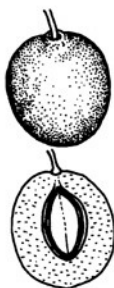
FLESHY



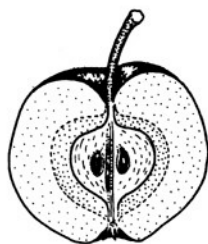
AGGREGATE



BERRY



DRUPE



POME

DRY



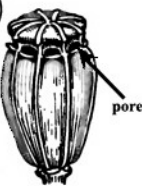
ACHENES



LOCULICIDAL



SEPTICIDAL  
CAPSULES



PORICIDAL



CIRCUMSCISSILE



FOLLICLE



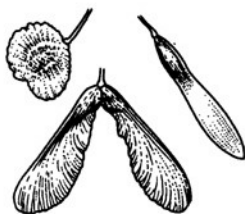
LEGUME



LOMENT



ACORN



SAMARAS



SCHIZOCARP



SILICLE



SILIQUE

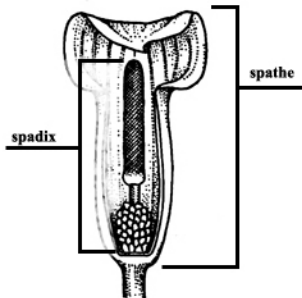
PLATE 8. INFLORESCENCE TYPES



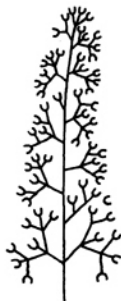
CATKIN / AMENT



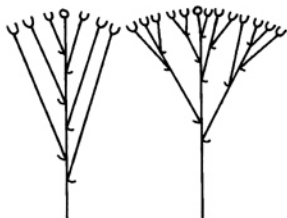
GLOMERULE



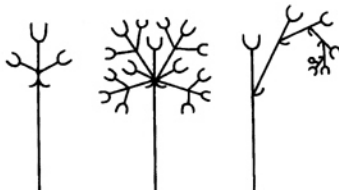
SPADIX with SPATHE



THYRSE



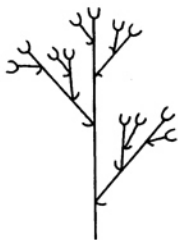
SIMPLE CORYMBS  
COMPOUND



SIMPLE CYMES  
COMPOUND HELICOID



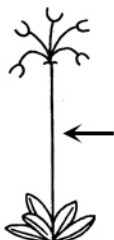
HEAD / CAPITULUM



PANICLE



RACEME



SCAPE



SPIKE



SECUND SPIKES



SIMPLE



COMPOUND  
UMBELS



VERTICILL