

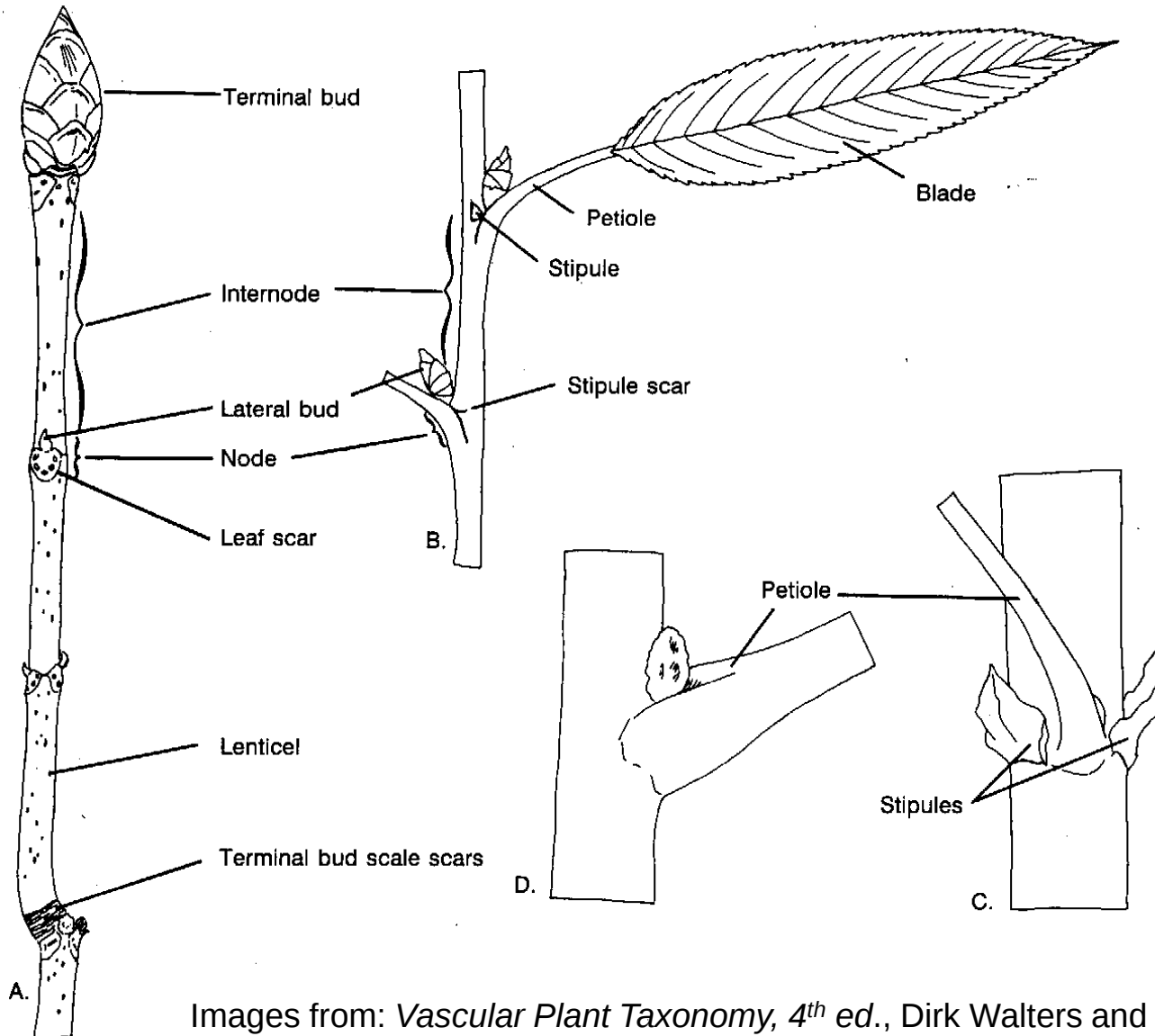
Plant Morphology Review



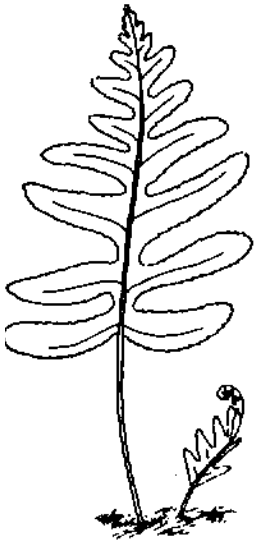
**Nia Wellendorf, FDEP
Standards and Assessment Section
FAB Plant Workshop
December 9, 2008**

Nijole.Wellendorf@dep.state.fl.us

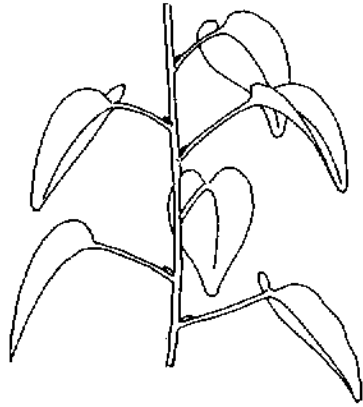
Stems and Leaves



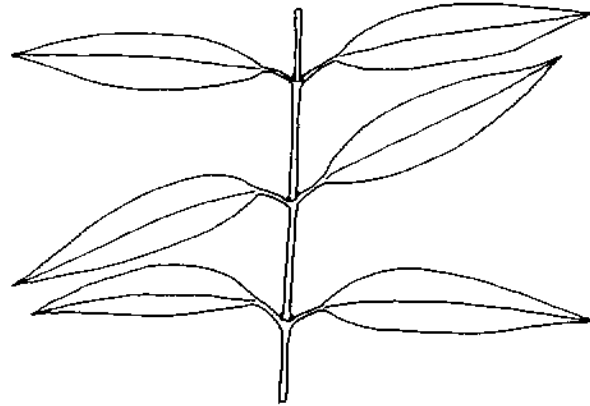
Images from: *Vascular Plant Taxonomy*, 4th ed., Dirk Walters and David Keil



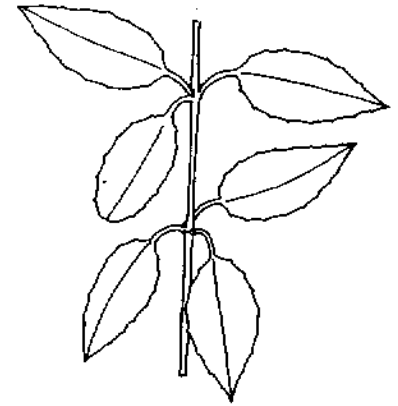
A. Basal



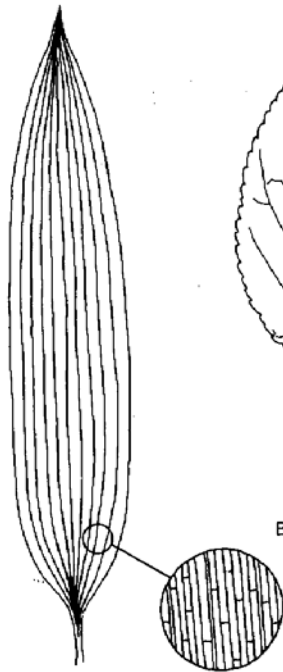
B. Alternate



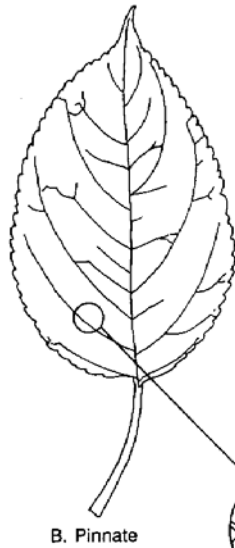
C. Opposite



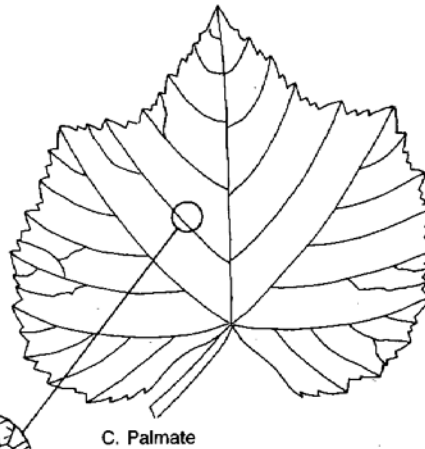
D. Whorled



A. Parallel



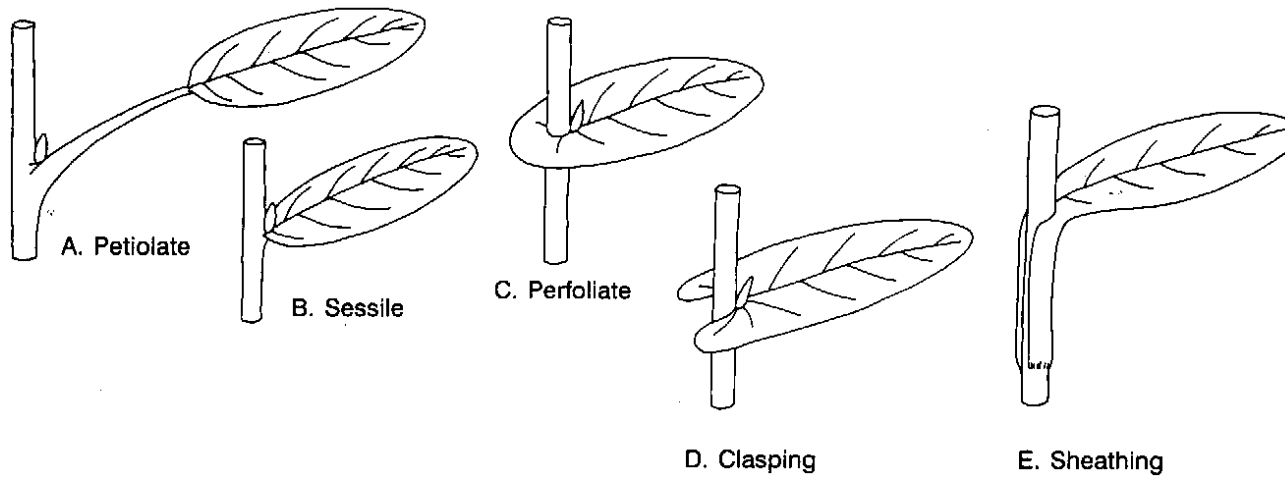
B. Pinnate



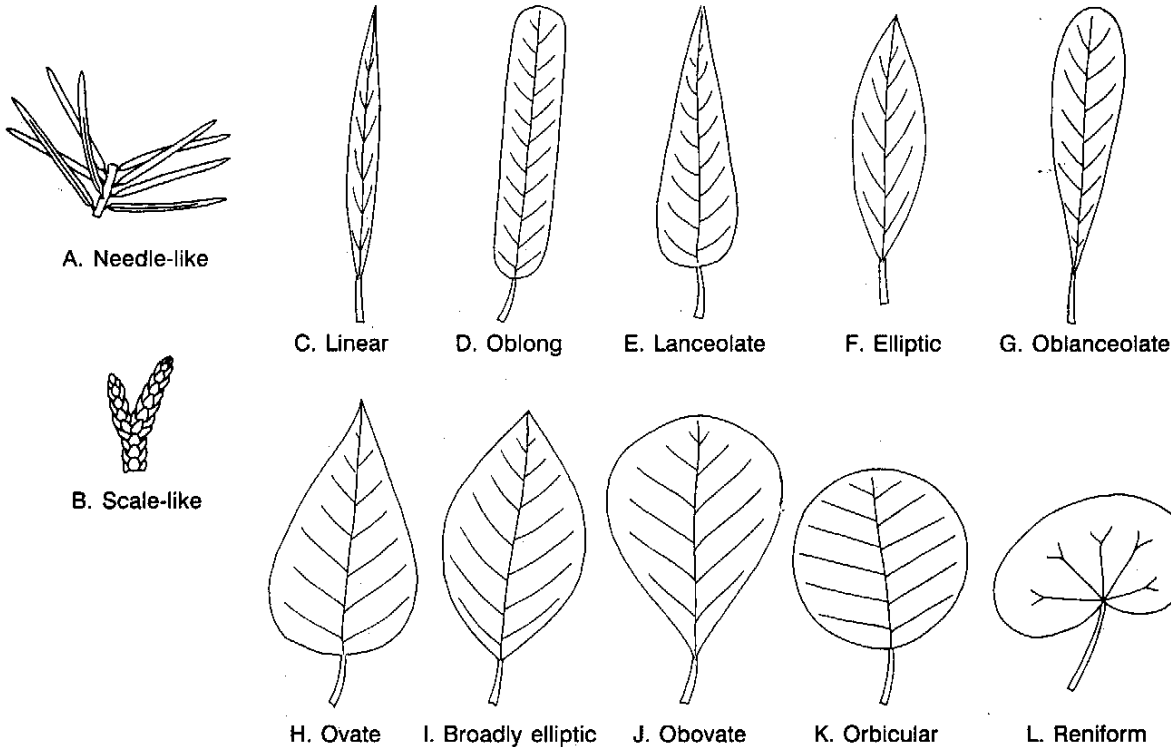
C. Palmate

Leaves

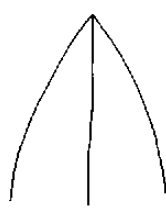
Images from: *Vascular Plant Taxonomy*, 4th ed., Dirk Walters and David Keil



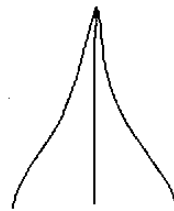
Leaves



Leaf terminology
can apply to fruits,
bracts, other parts



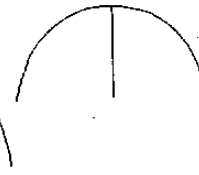
A. Acute



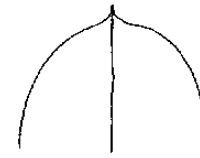
B. Acuminate



C. Obtuse



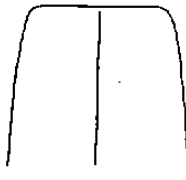
D. Rounded



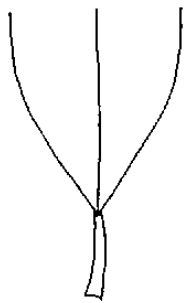
E. Mucronate



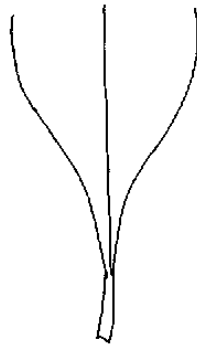
F. Emarginate



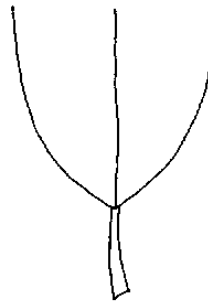
G. Truncate



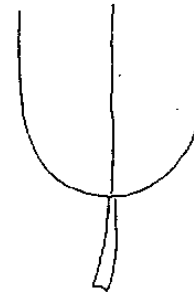
A. Acute



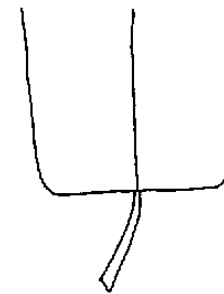
B. Acuminate



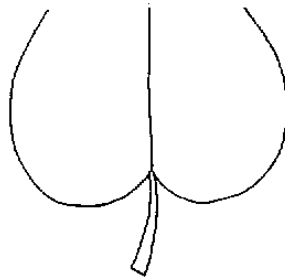
C. Obtuse



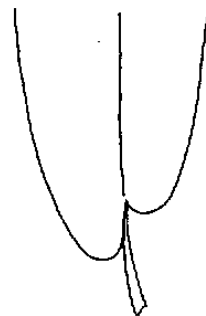
D. Rounded



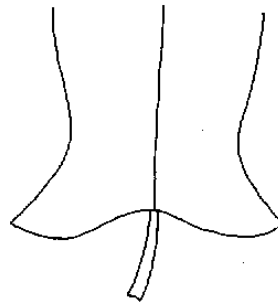
E. Truncate



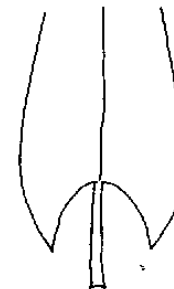
F. Cordate



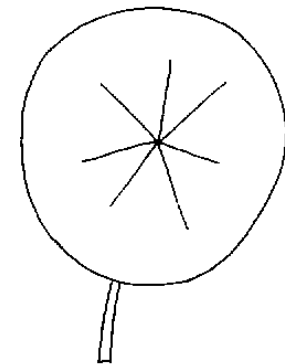
G. Oblique (inequilateral)



H. Hastate

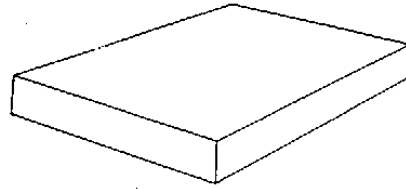


I. Sagittate

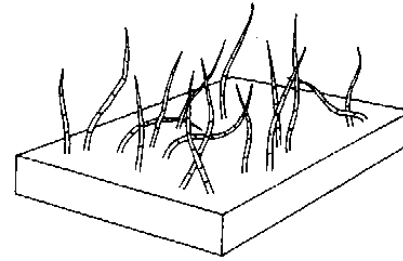


J. Peltate

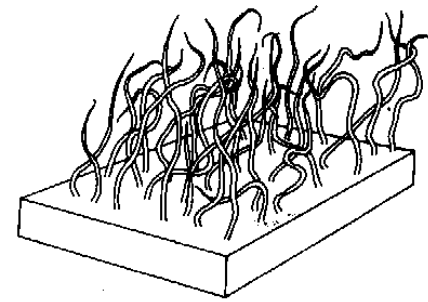
Surfaces, Edges



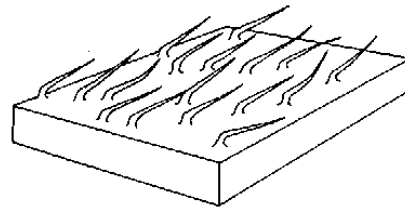
A. Glabrous



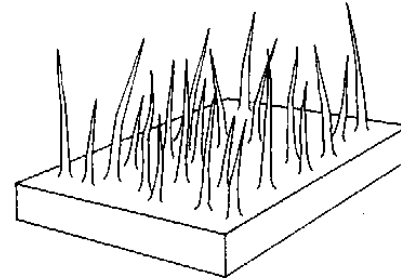
B. Pilose



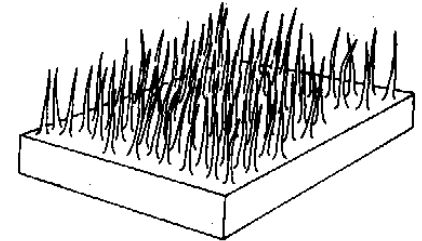
C. Villous



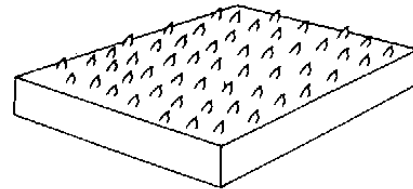
D. Strigose



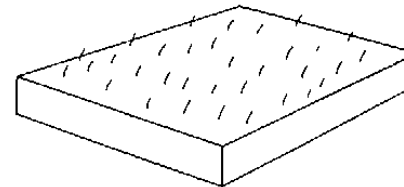
E. Hispid



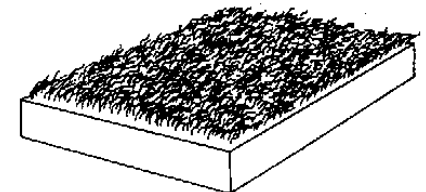
F. Hirsute



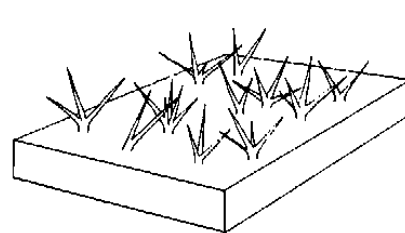
G. Scabrous



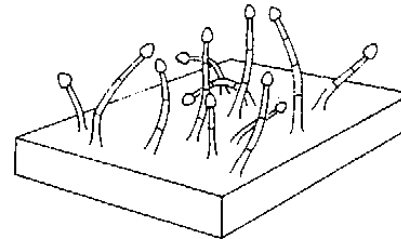
H. Puberulent



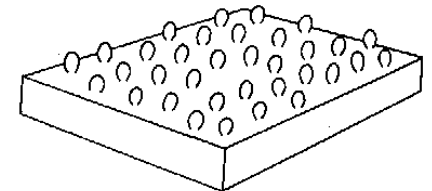
I. Tomentose



J. Stellate



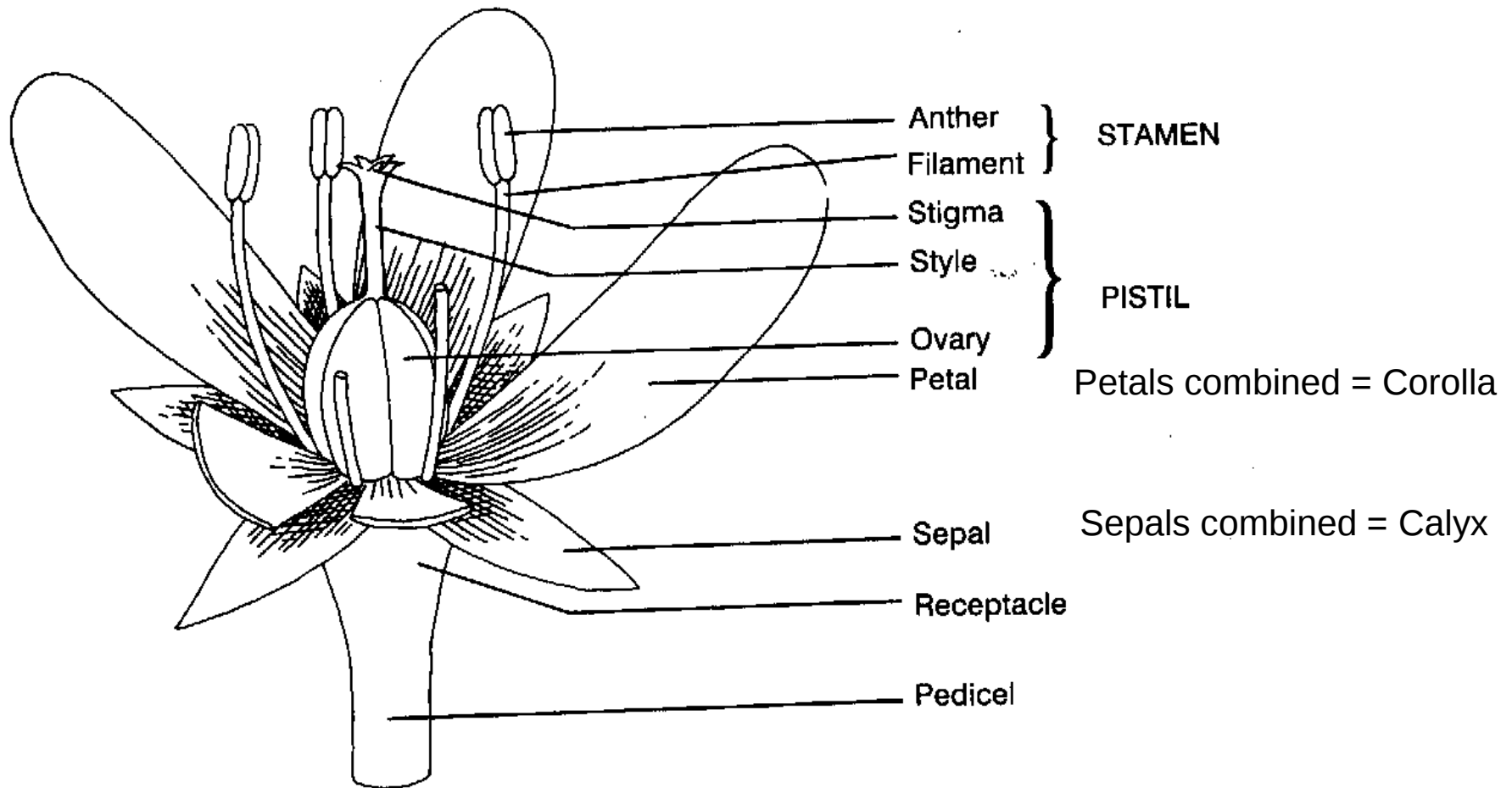
K. Stipitate Glandular



L. Sessile Glandular

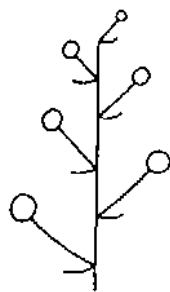
Images from: *Vascular Plant Taxonomy, 4th ed.*, Dirk Walters and David Keil

Flower morphology





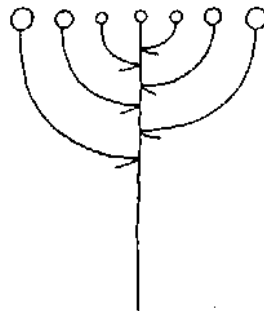
A. Solitary axillary flower



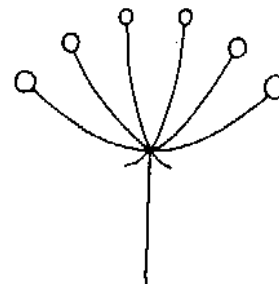
B. Raceme



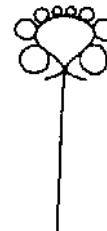
C. Spike



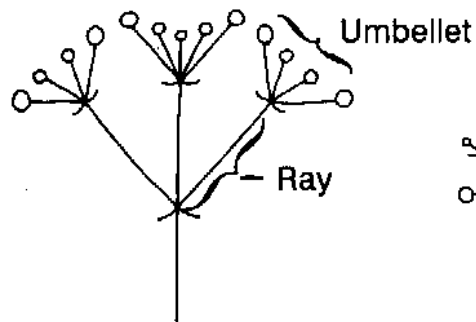
D. Corymb



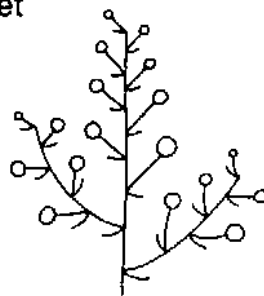
E. Simple umbel



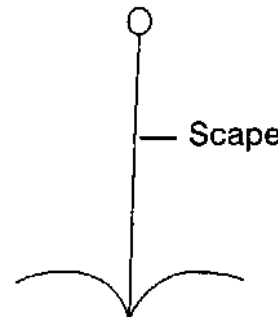
F. Head (Capitulum)



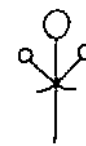
G. Compound umbel



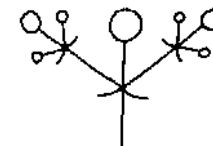
H. Panicle



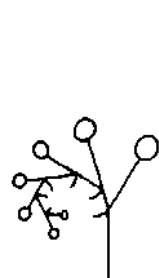
I. Solitary terminal flower



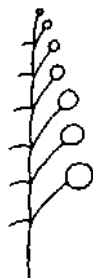
J. Simple cyme



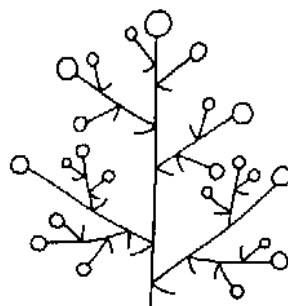
K. Dichasial cyme



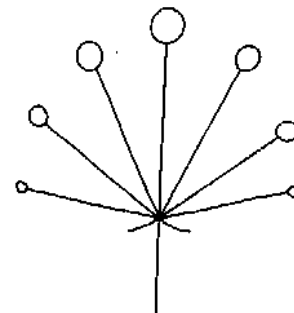
L. Young scorpioid cyme



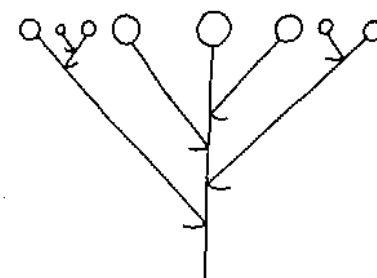
M. Mature scorpioid cyme



N. Paniculiform cyme (Thryse)



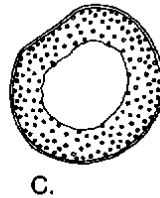
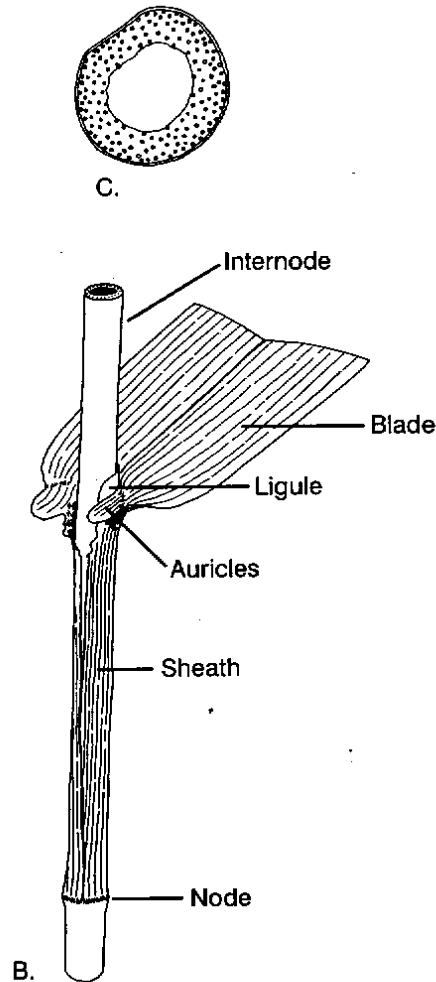
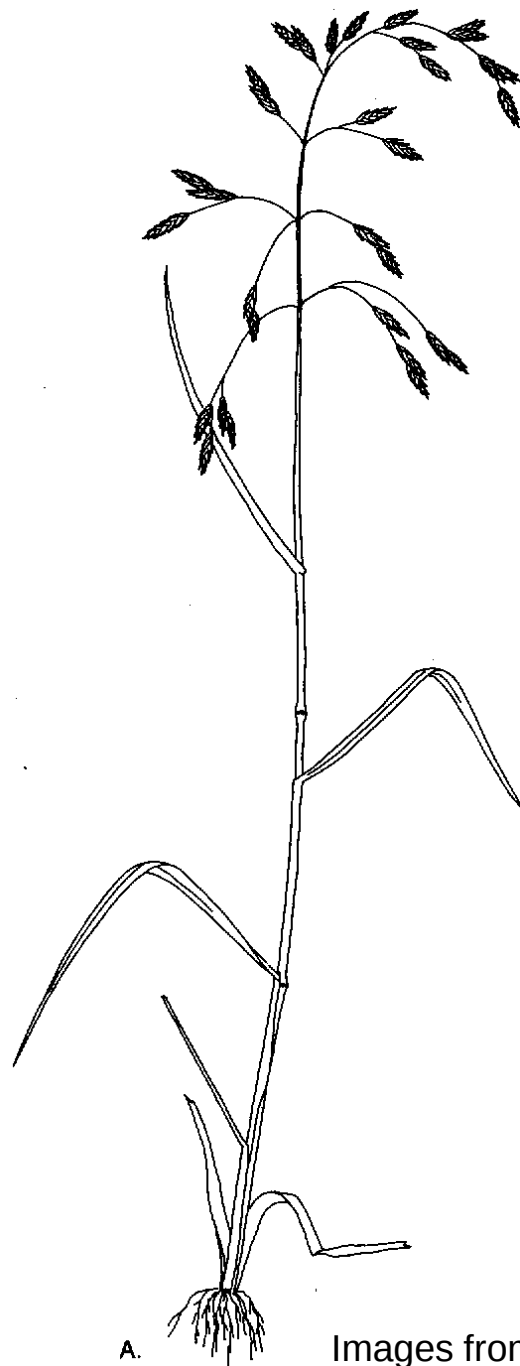
O. Umbelliform cyme



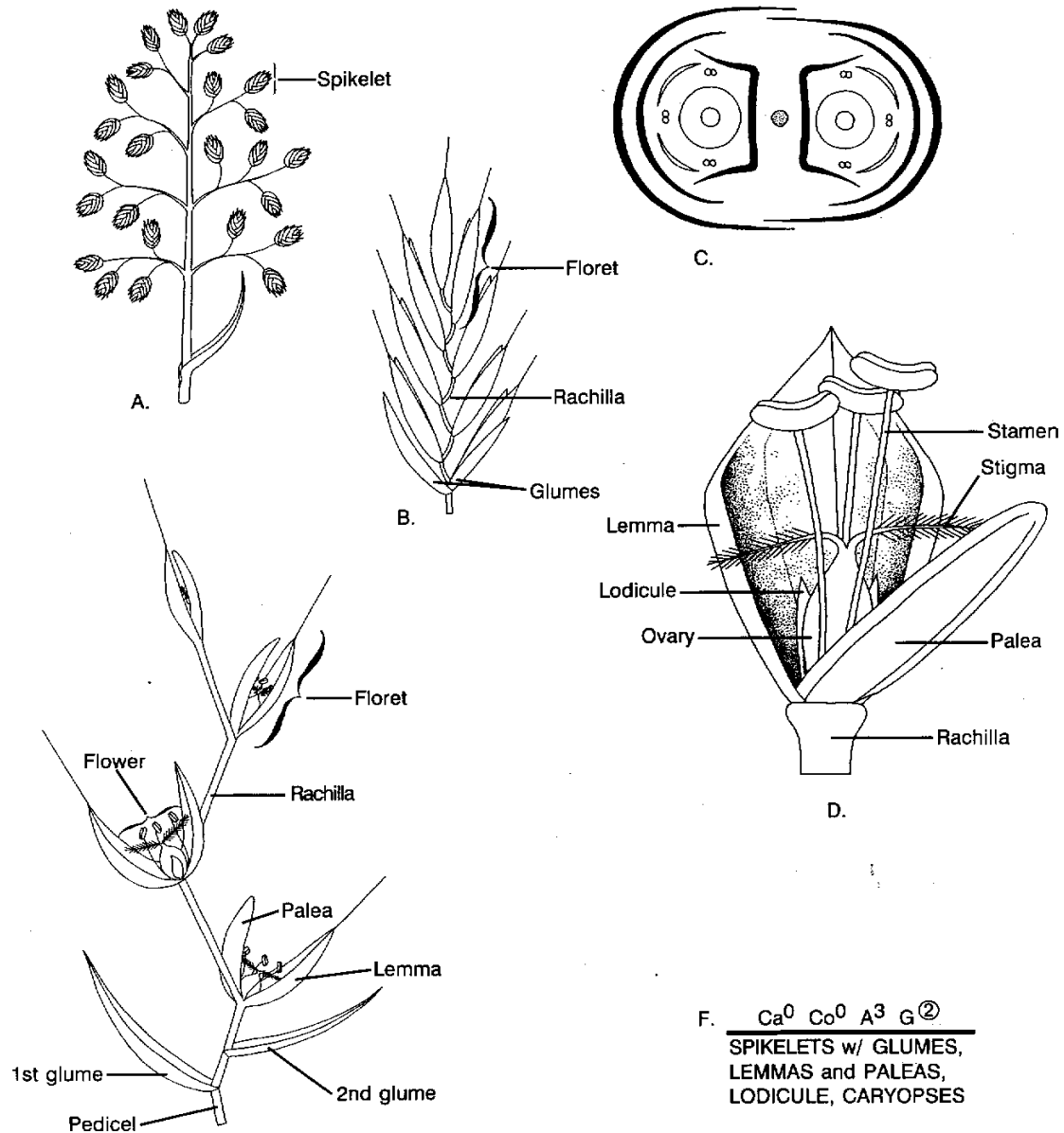
P. Corymbiform cyme

Grasses

- Ligule
- Pith
- Sheath
- Fruits



Images from: *Vascular Plant Taxonomy*, 4th ed., Dirk Walters and David Keil



E. Images from: *Vascular Plant Taxonomy, 4th ed.*, Dirk Walters and David Keil