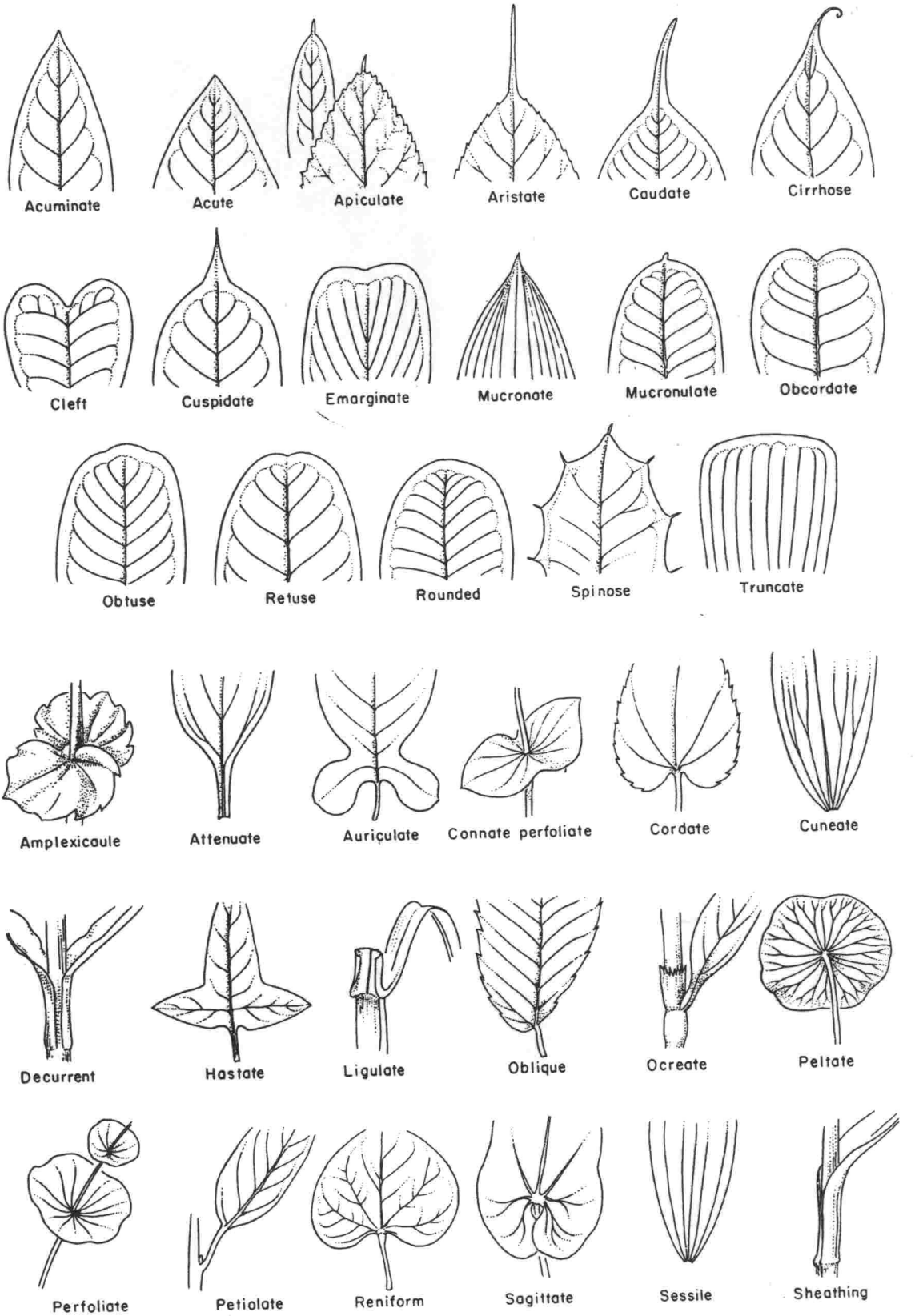
LEAF APICES, ATTACHMENTS AND BASES



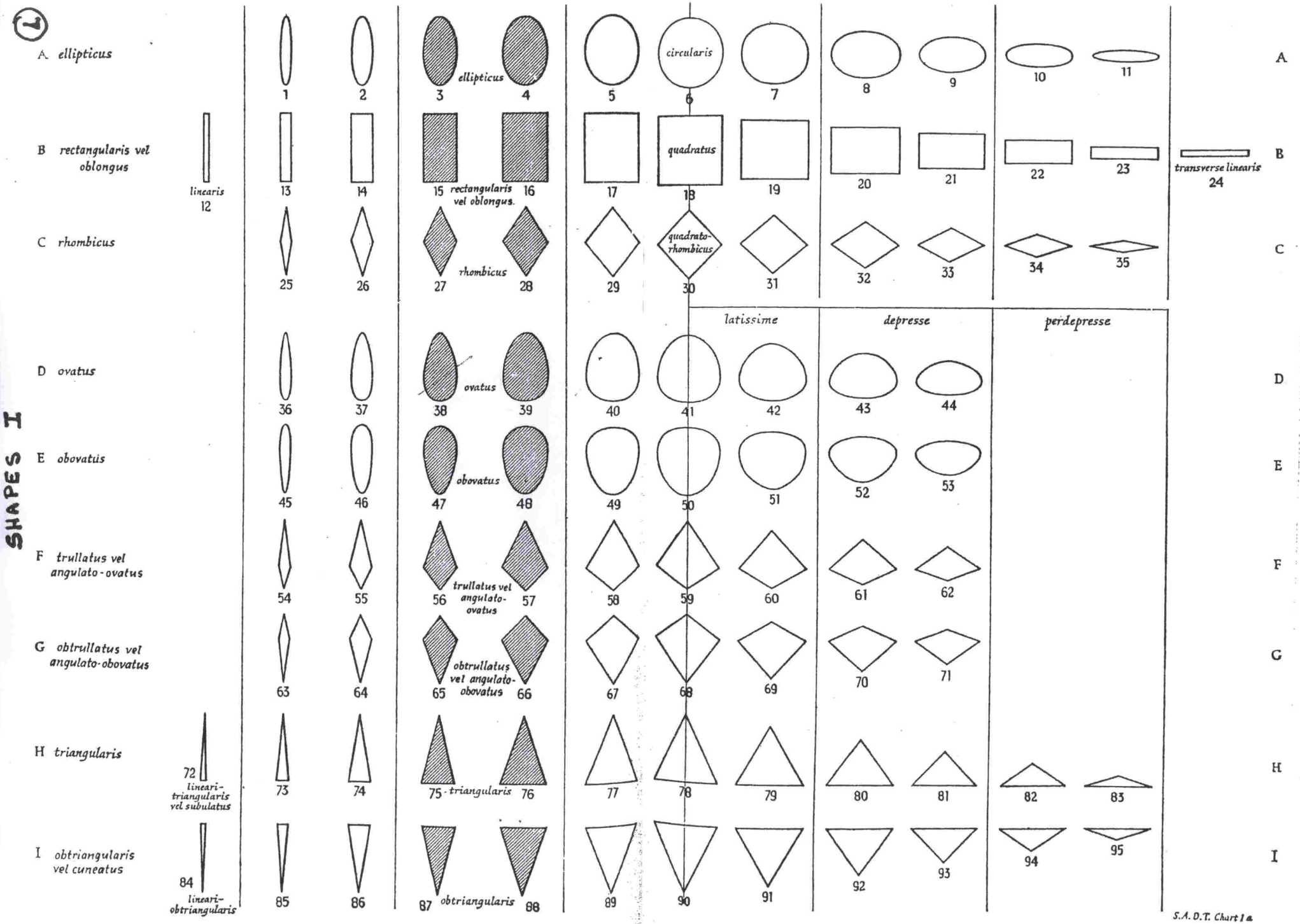
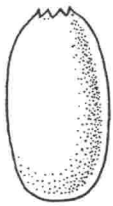
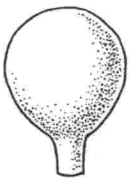
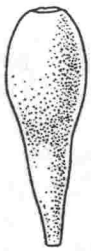


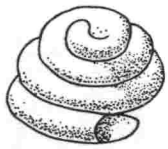
Fig. 19 Chart of simple symmetrical plane Shapes
(From Systematics Association Committee for descriptive Biological Terminology in *Taxon*, 11; 1962)

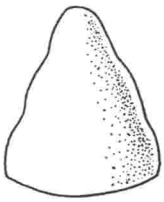
SHAPES II

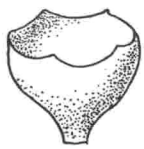

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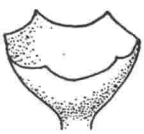

Capitate

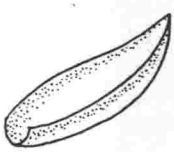

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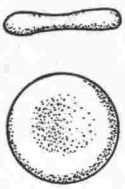

Cochleate

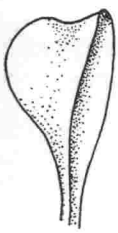

Conical


Cotyliform

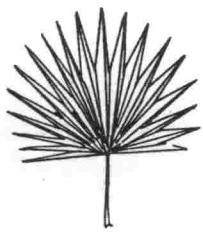

Crateriform

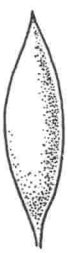

Cymbiform

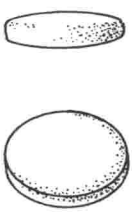

Discoid

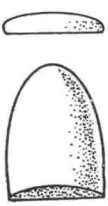

Dolabriform

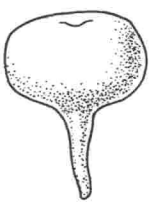

Falcate

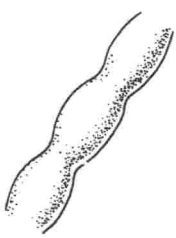

Flabelliform

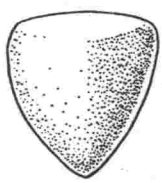

Fusiform

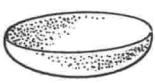

Lenticular

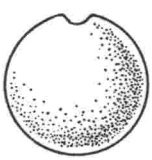

Lingulate

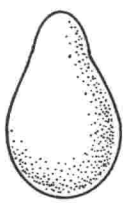

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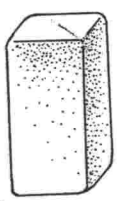

Nodiform

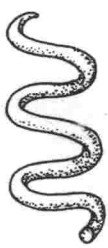

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Patelliform

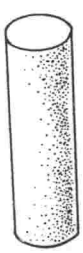

Pisiform

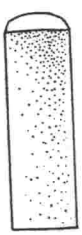

Pyriform

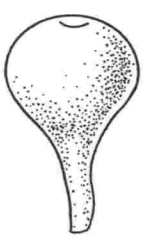

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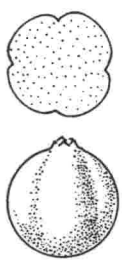

Spiral

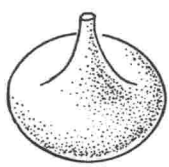

Stellate


Terete


Half-terete


Turbinate

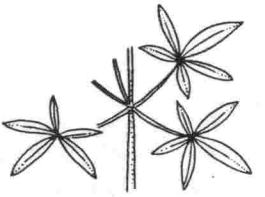

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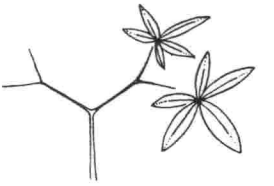

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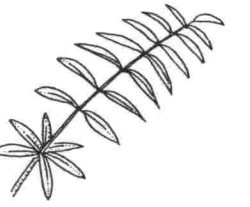
LEAF TYPES and LEAF STRUCTURAL TYPES

COMPOUND PALMATE and COMPOUND PINNATE


Palmate

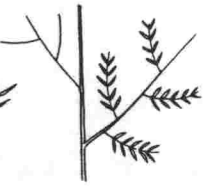

Bipalmate

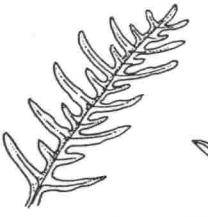

Tripalmate

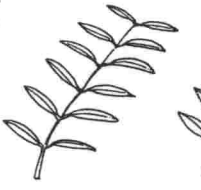

Palmate-pinnate


Pinnate


Bipinnate


Tripinnate

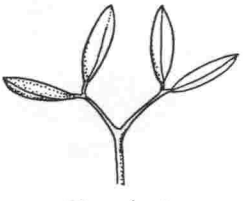

Interrupted


Paripinnate


Imparipinnate

OTHER TYPES

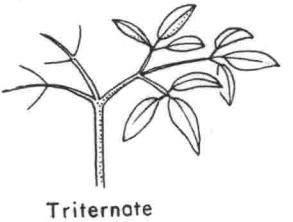

Bifoliolate

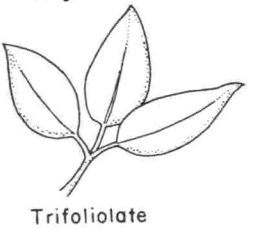

Bigeminate


Tergeminate


Ternately compound

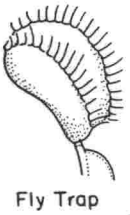

Biternate


Triternate

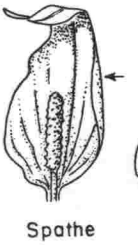

Trifoliolate

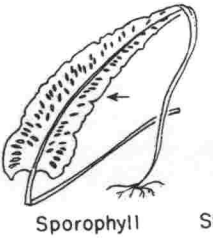

Unifoliolate

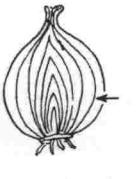
LEAF STRUCTURAL TYPES


Fly Trap

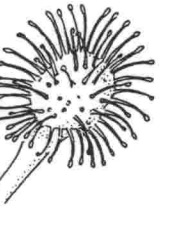

Pitcher

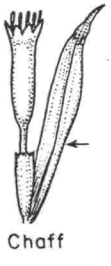

Spathe

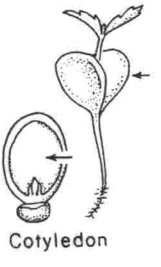

Sporophyll

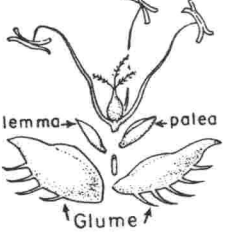

Storage Leaf

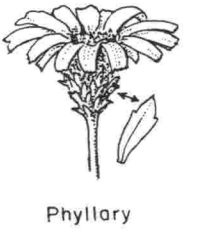

Tendril

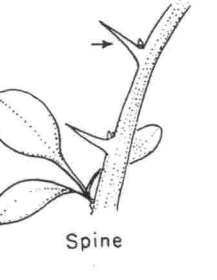

Tentacular Leaf


Chaff

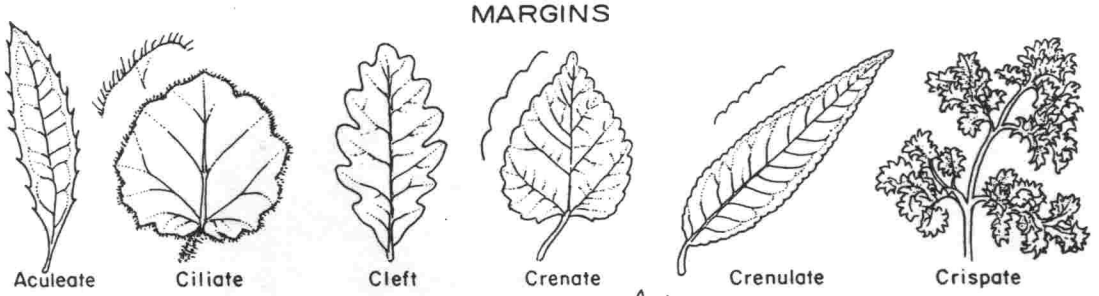

Cotyledon

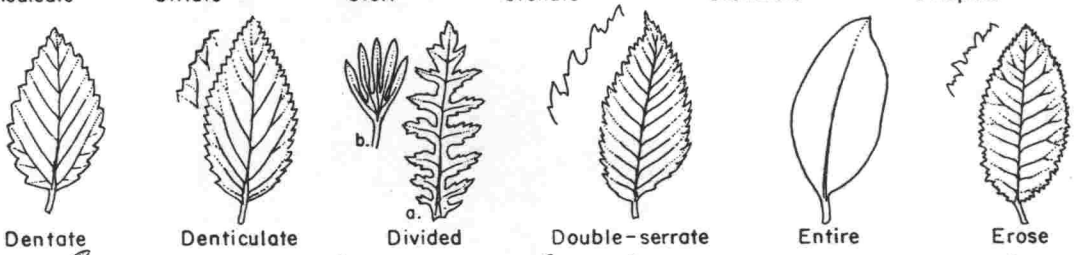


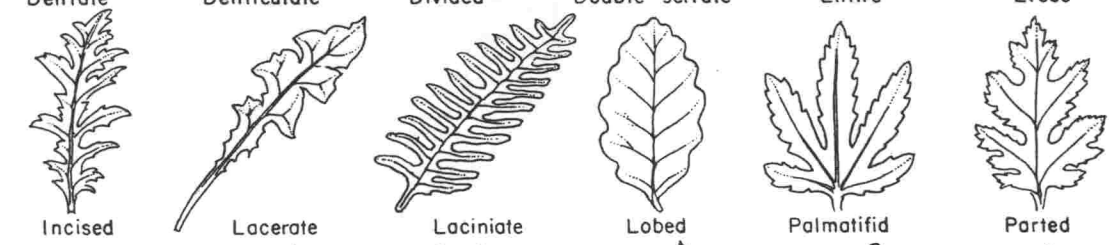

Phyllary

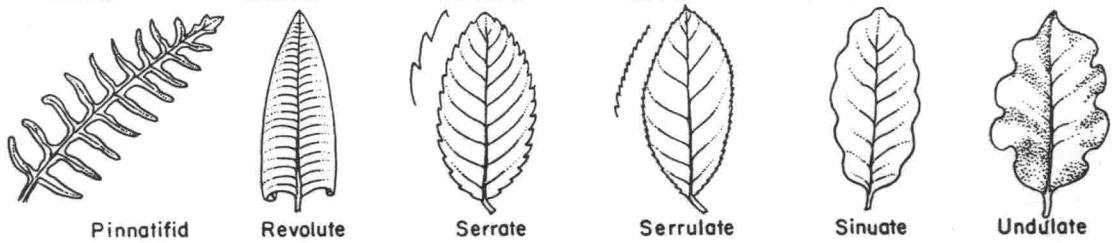

Spine

MARGINS

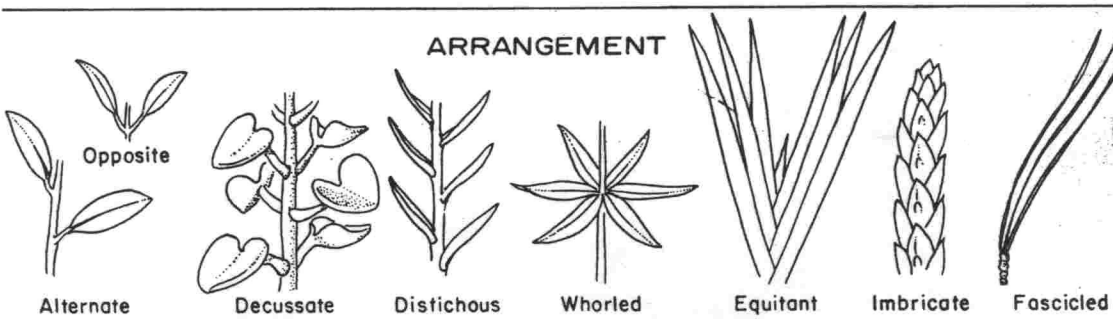




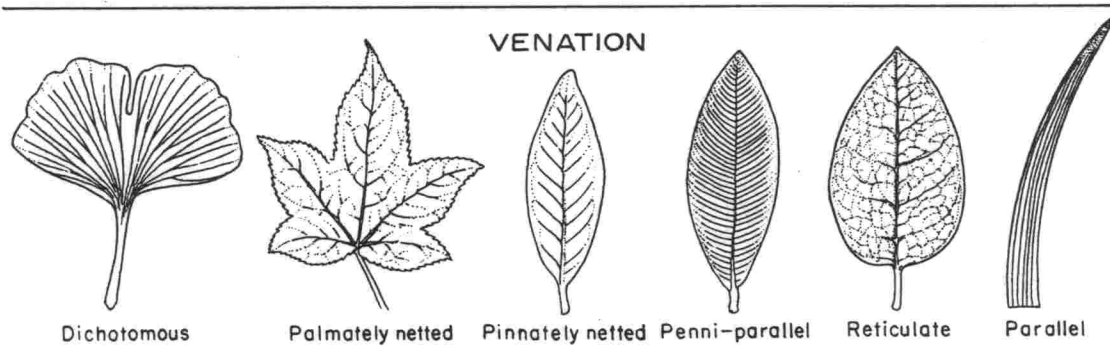




ARRANGEMENT

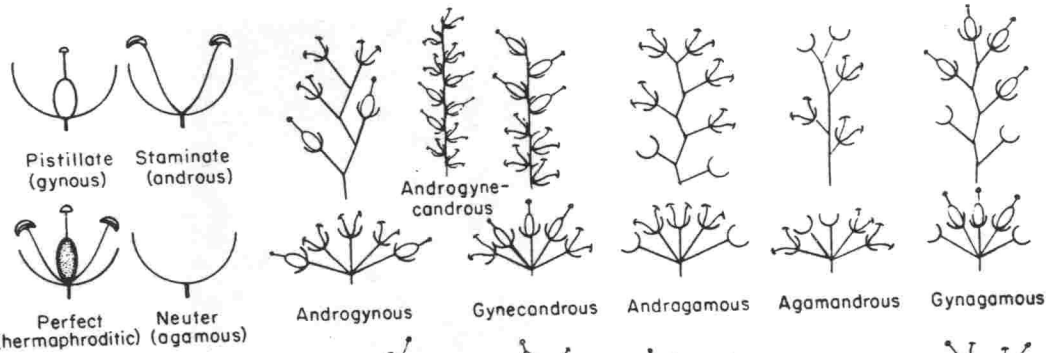


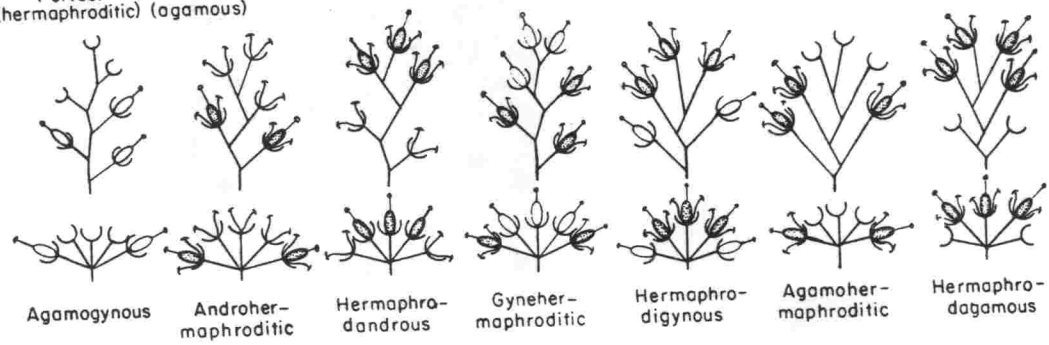
VENATION



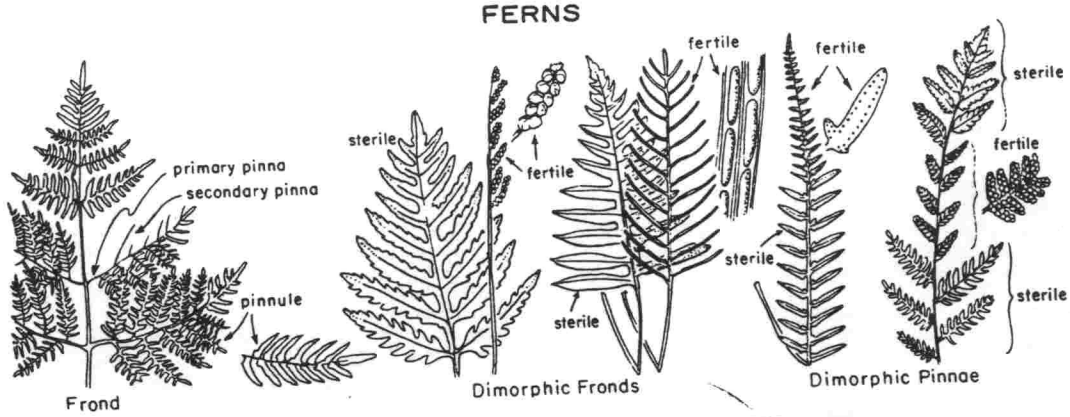
FLOWER SEX

INFLORESCENCE SEX

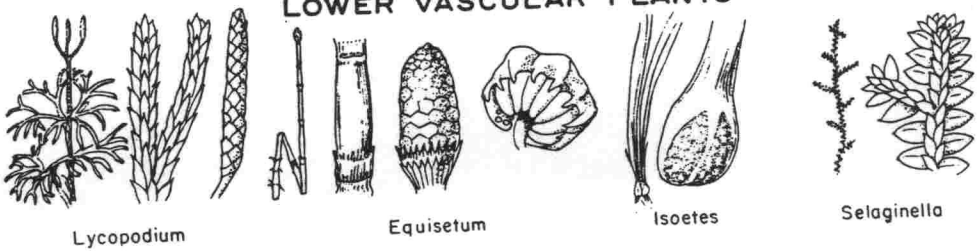




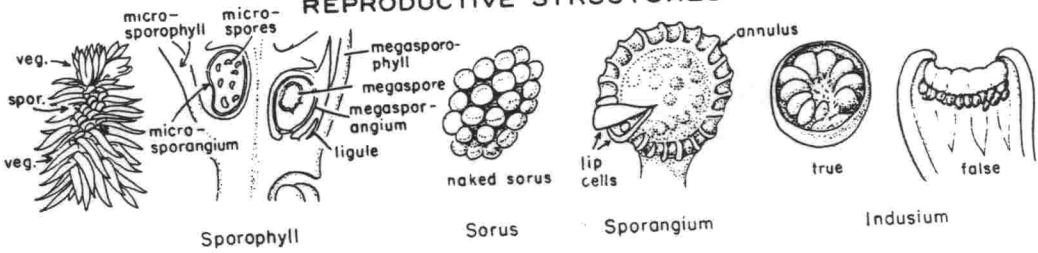
FERNS



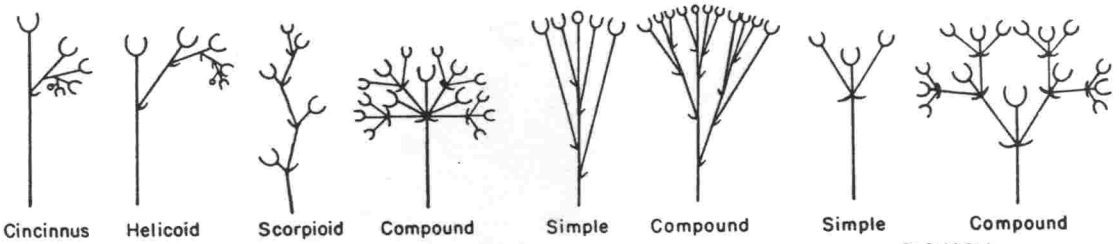
LOWER VASCULAR PLANTS

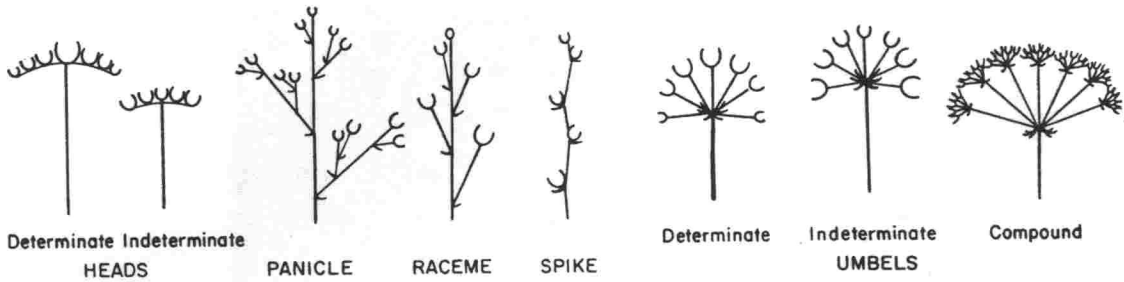


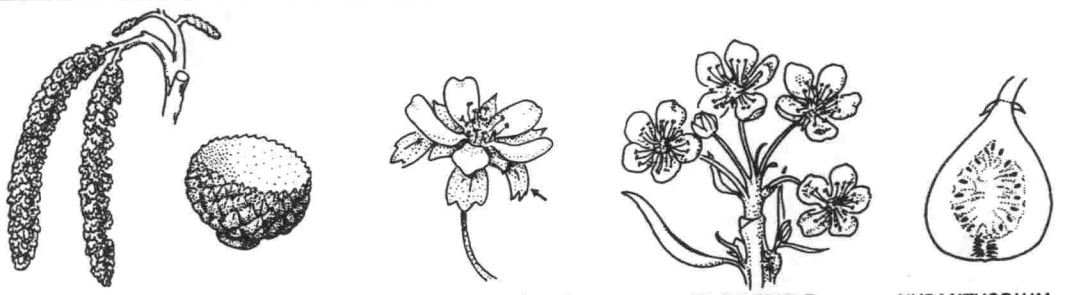
REPRODUCTIVE STRUCTURES

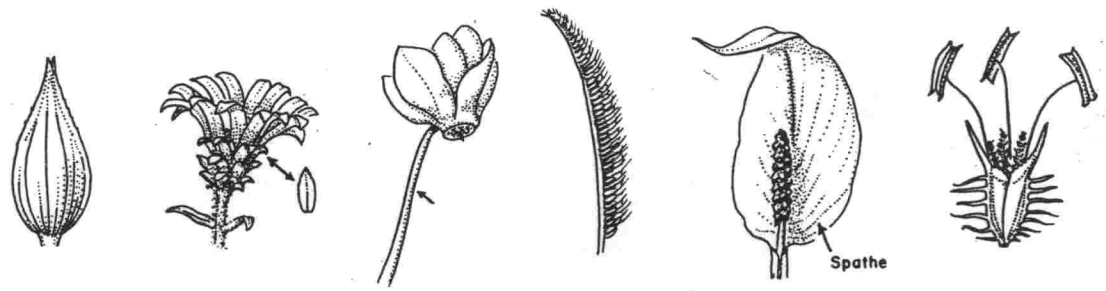


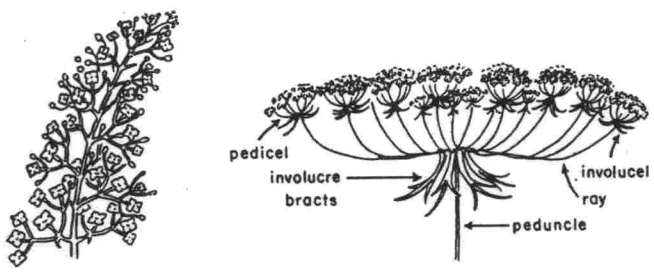
INFLORESCENSE TYPES











Indumentum types

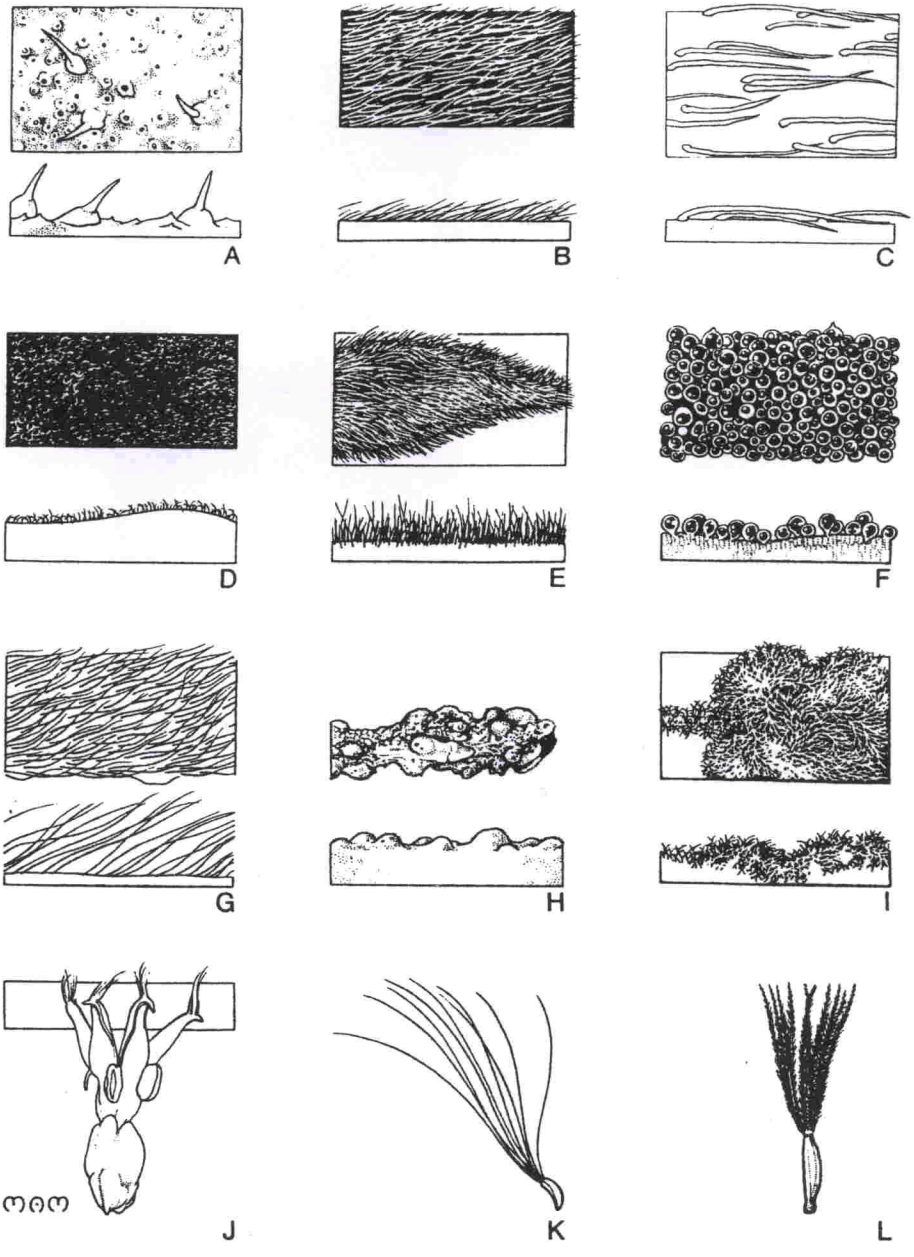


Figure 2. Indumentum types. A. Scabrous *Ficus opposita* var. *macrantha* ×10. **B. Silky** *Spinifex sericeus* ×10. **C. Strigose** *Papaver hybridum* ×10. **D. Tomentose** *Diplopeltis intermedia* var. *incana* ×10. **E. Velvety** *Acacia podalyriifolia* ×7.5. **F. Vesiculose** *Tetragonia decumbens* ×10. **G. Villous** *Maireana villosa* ×10. **H. Warty** *Eremophila latrobei* var. *latrobei* ×10. **I. Woolly** *Lachnostachys eriobotrya* ×6. **J. Bearded** *Acrotriche ramiflora*, flower ×7.5. **K. Coma** *Epilobium cinereum*, seed ×5. **L. Pappus** *Helipterum albicans*, fruit ×2.

Trichome types

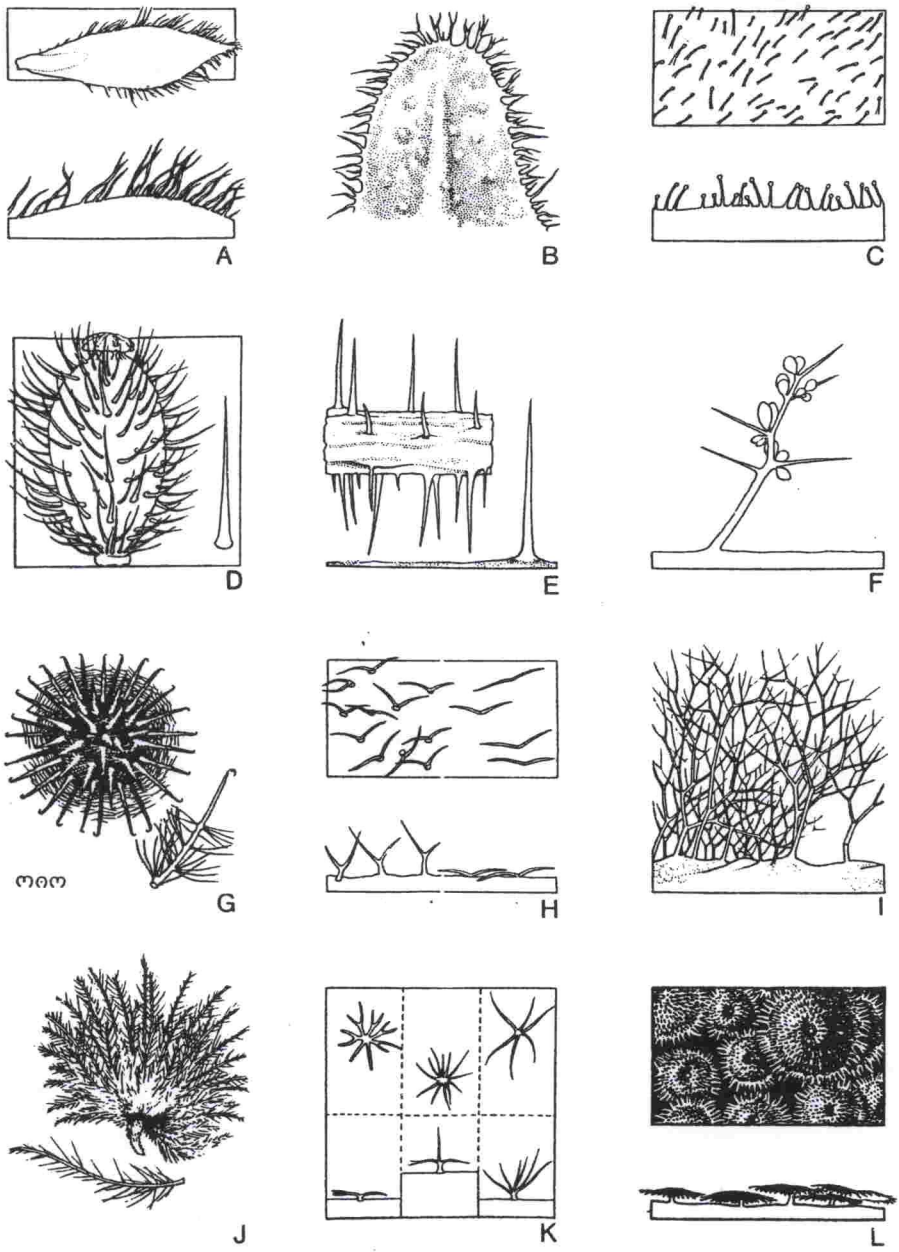
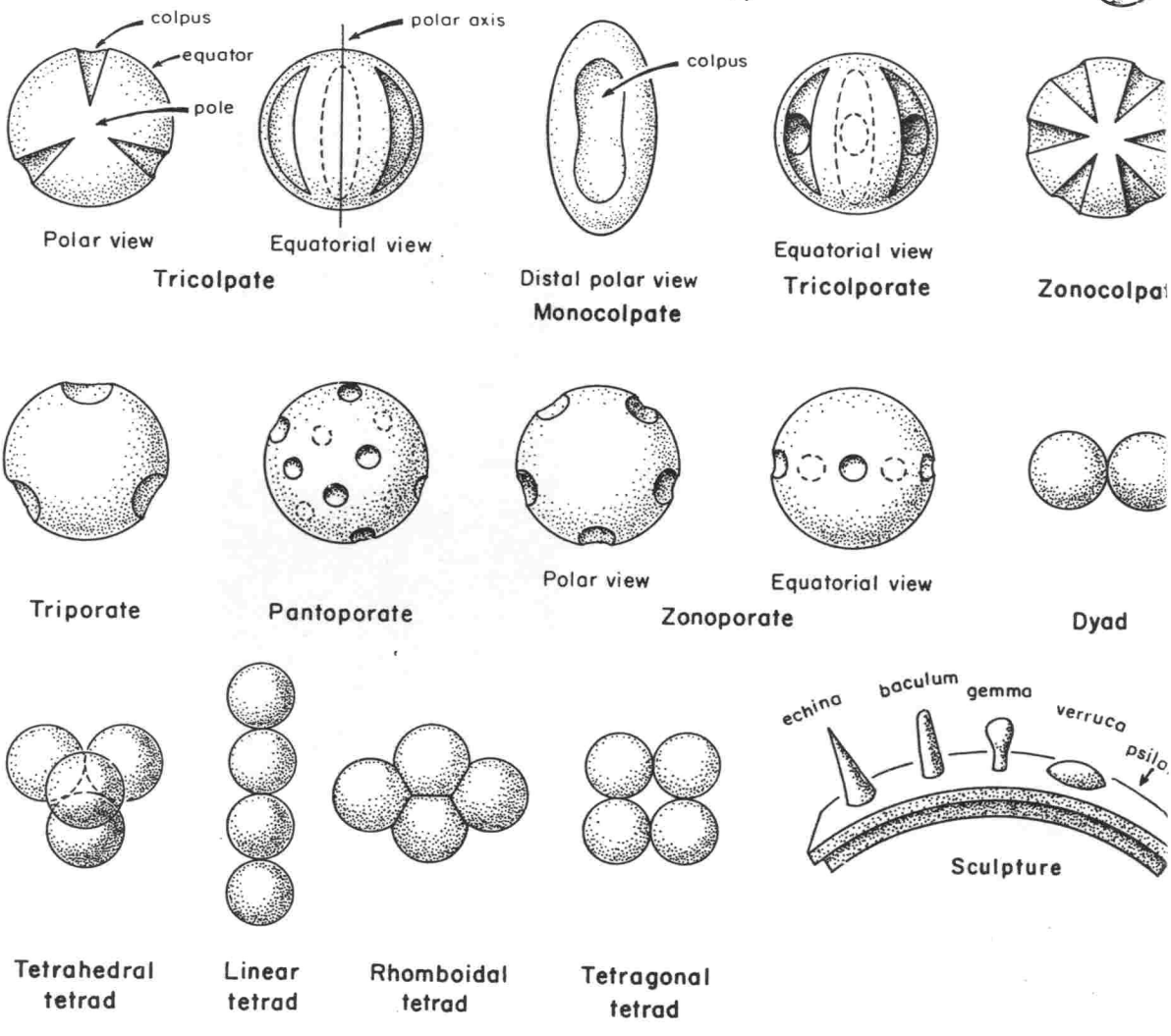
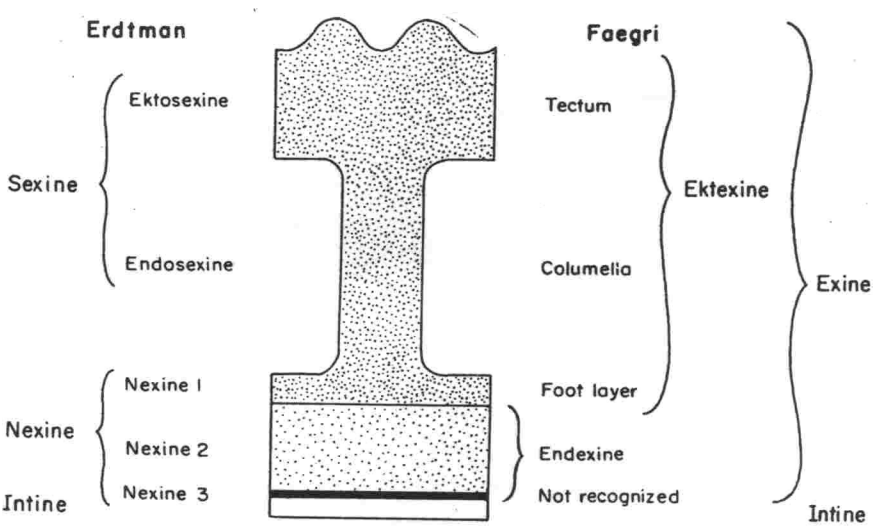


Figure 3. Trichome types. A. Ciliate *Helipterum pterochaetum*, bract ×12.5, margin ×20. **B. Fimbriate** *Chamelaucium cilatum* ×10. **C. Mucilage Trichome** *Boerhavia diffusa* ×10. **D. Bristle** *Papaver hybridum*, fruit ×2.5, bristle ×12. **E. Prickle** *Solanum asymmetriphyllum*, stem ×2, prickle ×3.5. **F. Spine** *Bursaria spinosa* ×1. **G. Barbed Trichome** *Triumfetta chaetocarpa*, fruit ×2, trichome ×5. **H. Bifid Trichomes** *Erophila verna* subsp. *praecox*, trichomes ×15; *Stenopetalum nutans*, trichomes appressed ×20. **I. Dendritic Trichomes** *Pityrodia uncinata* ×12.5. **J. Plumose Trichomes** *Triumfetta plumigera*, fruit ×5, trichome ×7.5. **K. Stellate Trichomes. Peltate** *Alyssum linifolium* ×15; **Porrect** *Solanum elaeagnifolium* ×15; **Multiangulate** *Hibiscus setulosus* ×5. **L. Peltate Scales** *Pityrodia loricata* ×10.

Pollen morphology





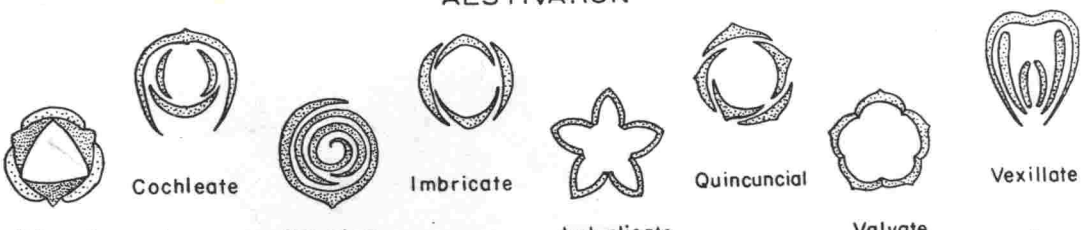
Structure of Pollen Wall

(Modified, after Tschudy and Scott)

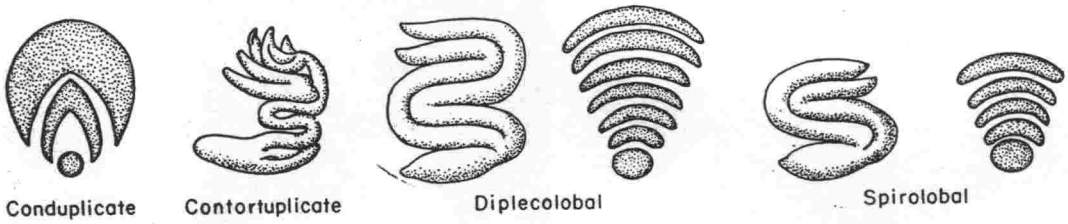
M. Seiler

EMBRYONIC POSITION

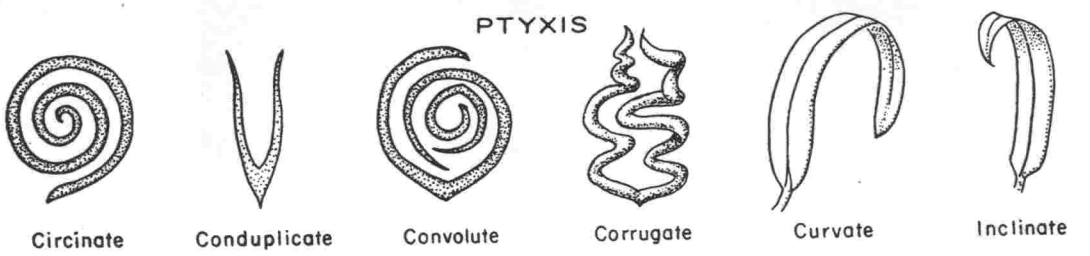
AESTIVATION

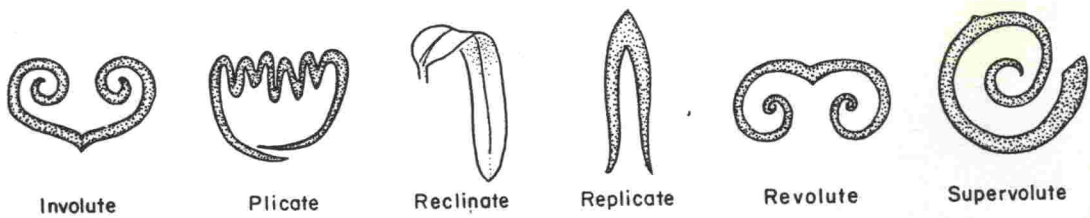


PTYXIS (Cotyledons)

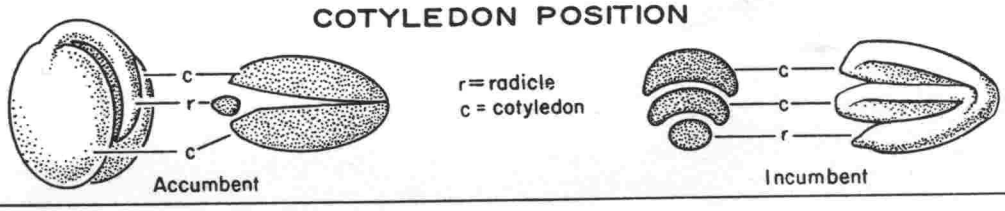


PTYXIS





COTYLEDON POSITION



OVULE POSITION

