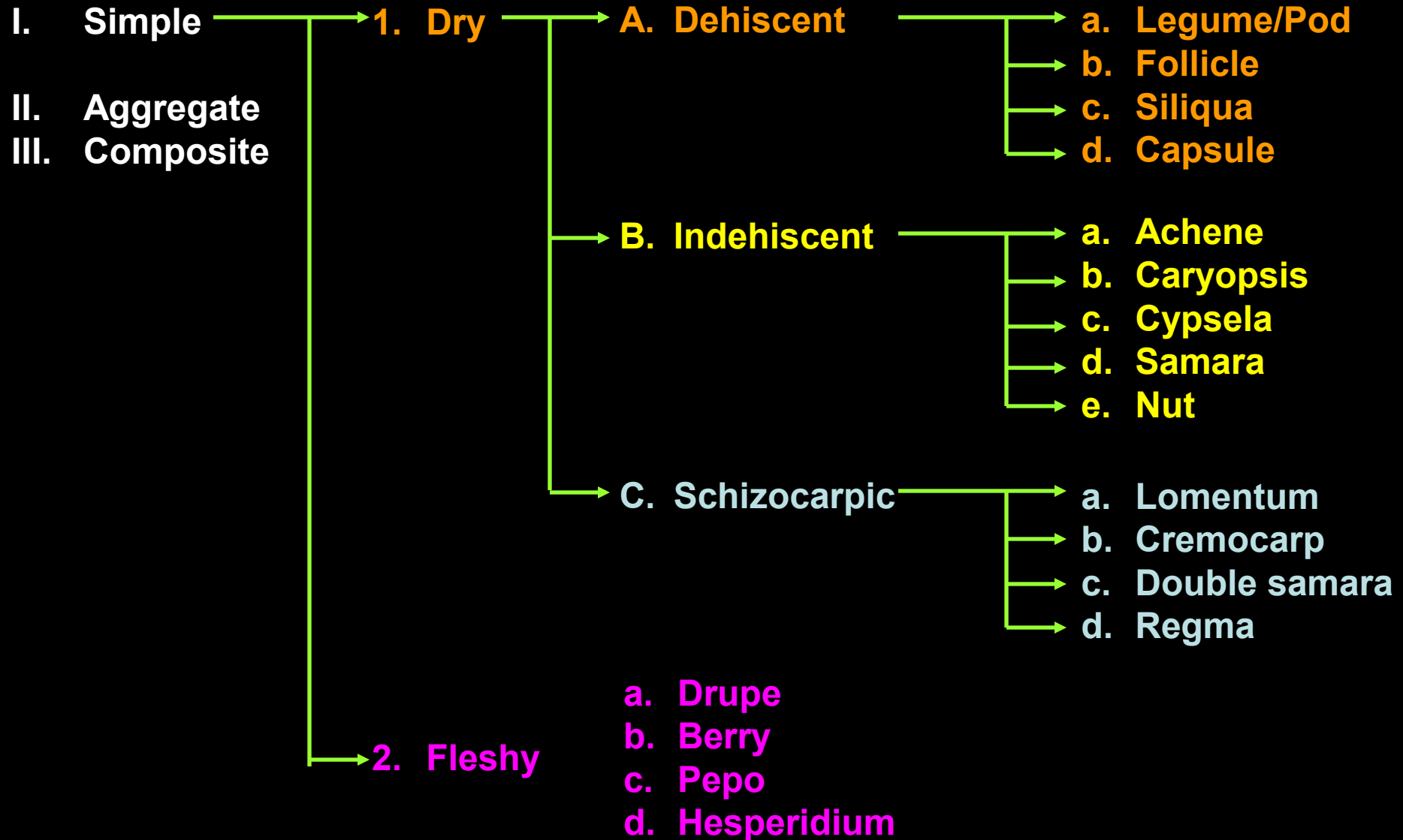


MORPHOLOGY

*- a tool for
plant identification*



Types of Fruits



Types of Fruits

I. Simple



II. Aggregate



III. Composite



1. Dry Fruits

Dry dehiscent



Dry indehiscent

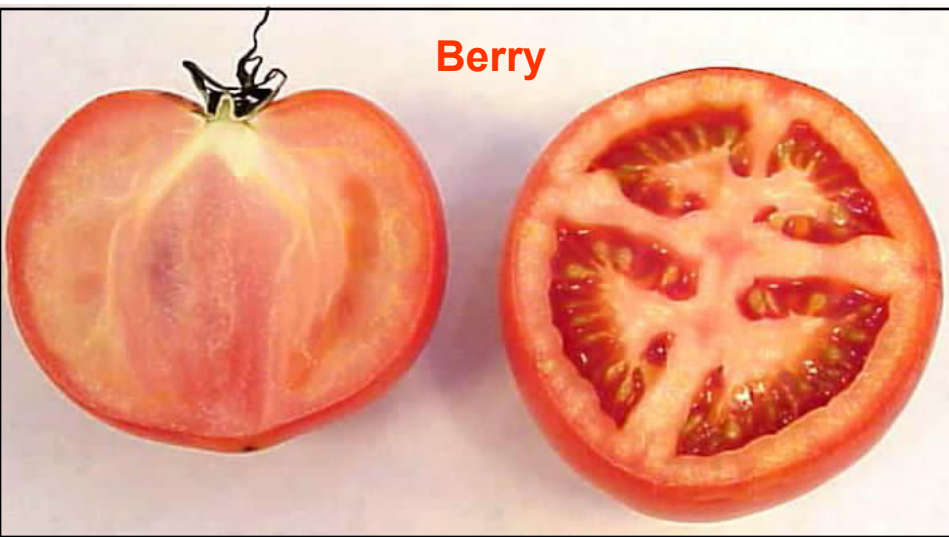
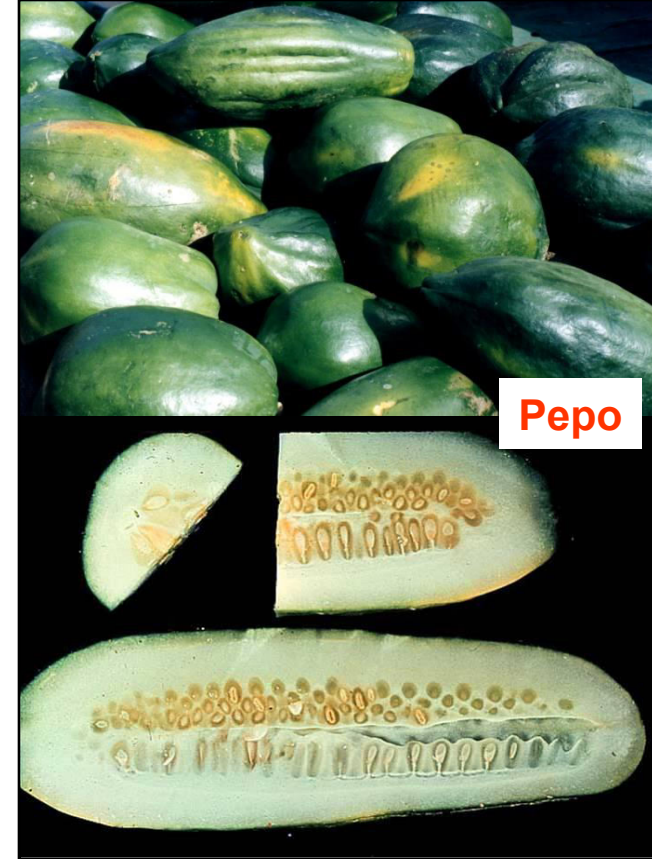
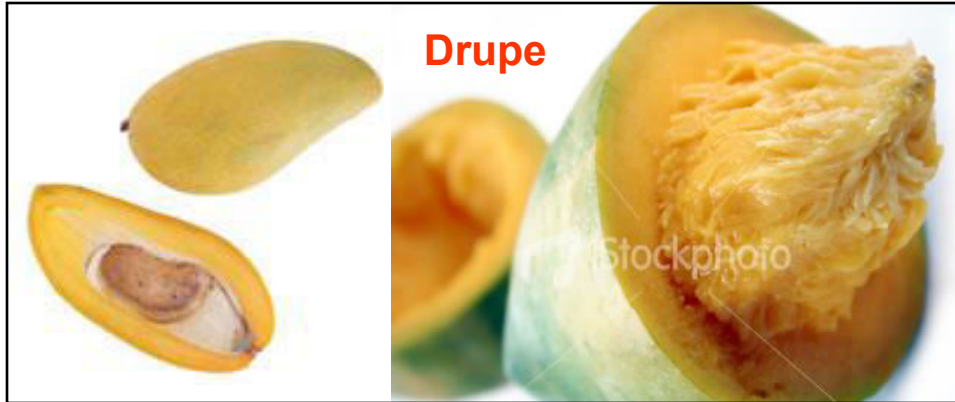


Schizocarpic fruits



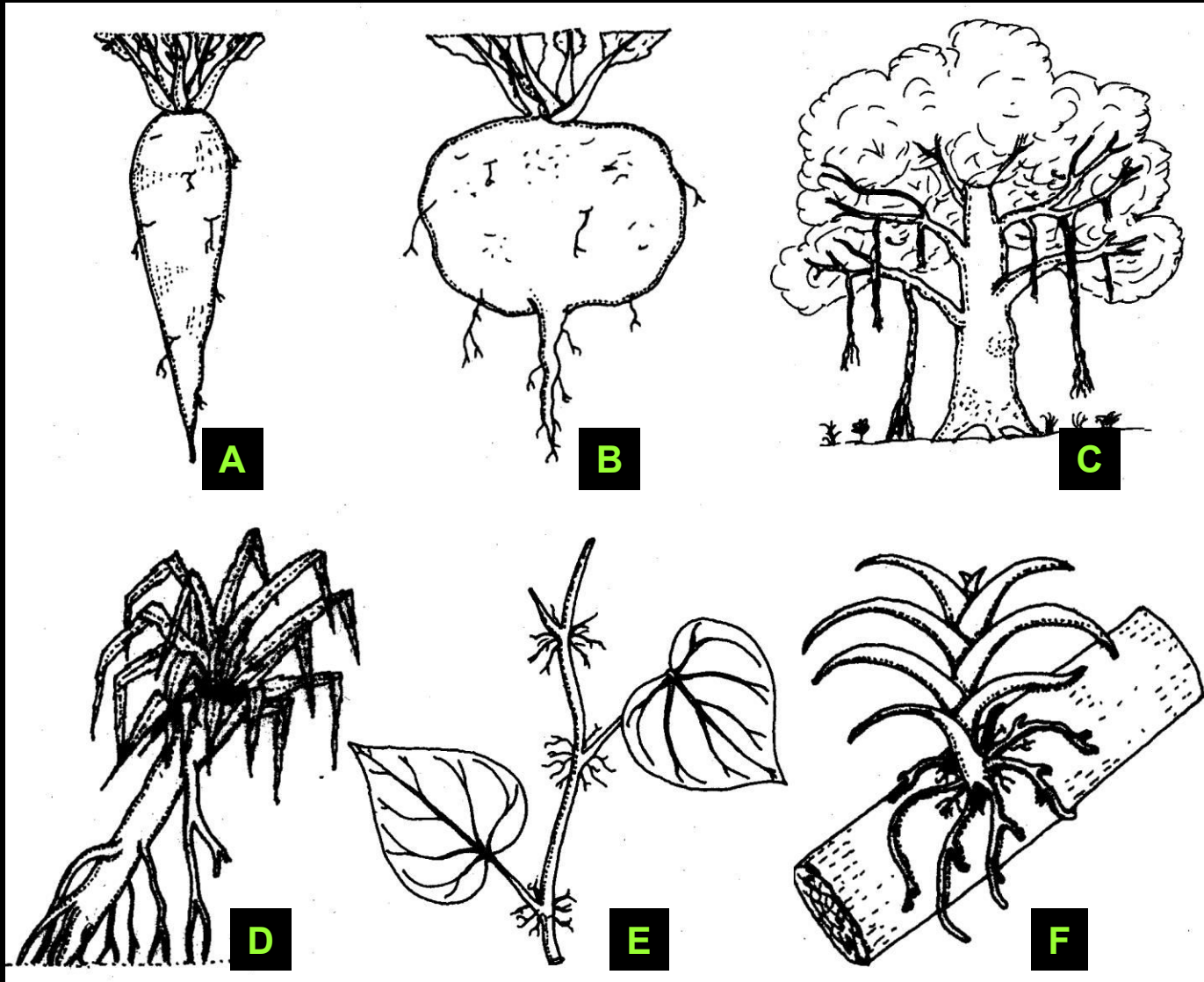
2. Fleshy Fruits

- a. **Drupe**
- b. **Berry**
- c. **Pepo**
- d. **Hesperidium**



Modifications and adaptations

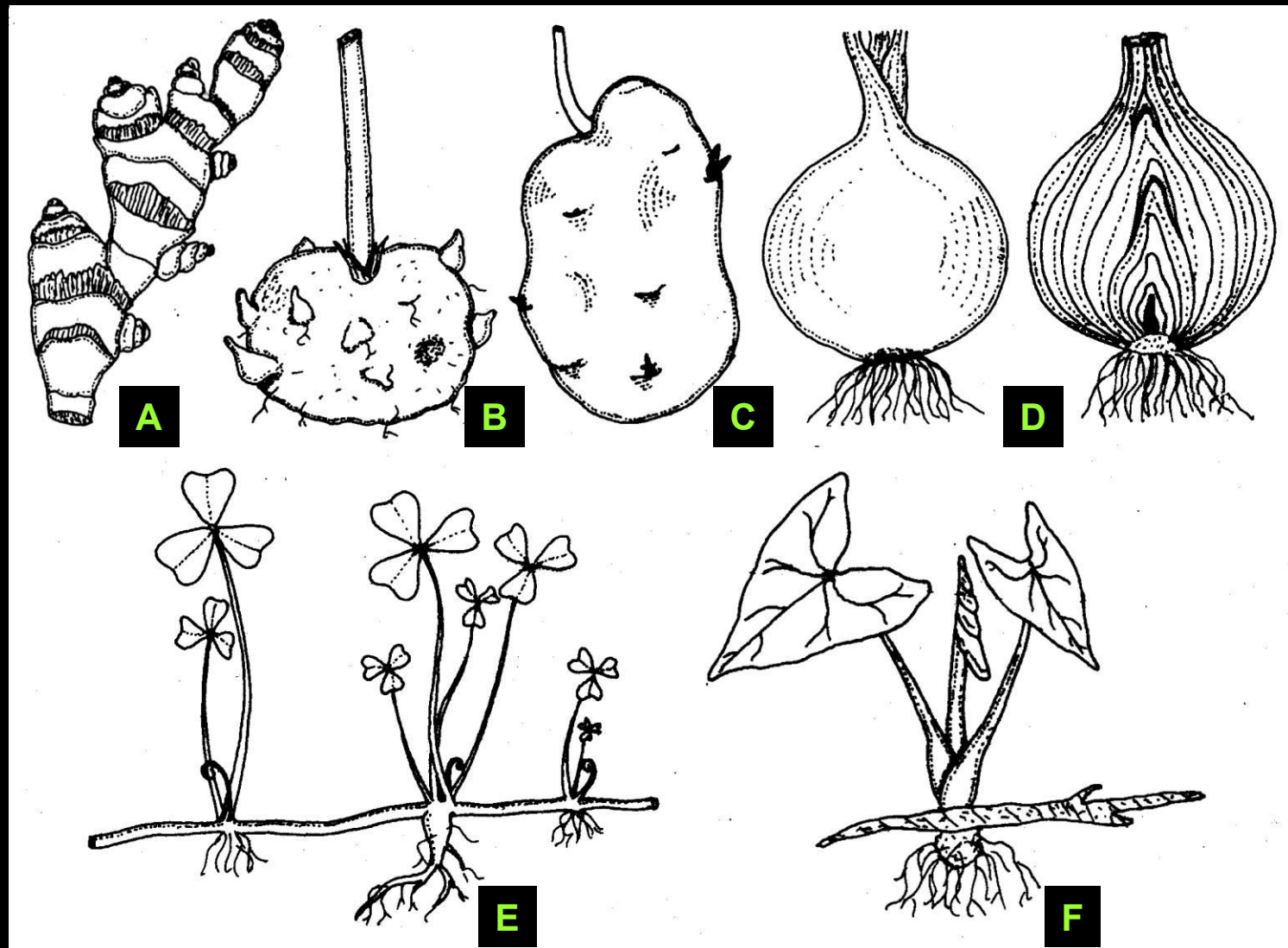
Modifications of Roots



A. Radish; B. Beetroot; C. Banyan tree with prop roots; D. Pandanus with stilt roots; E. Betel with climbing roots; F. Vanda with epiphytic roots

Modifications and adaptations

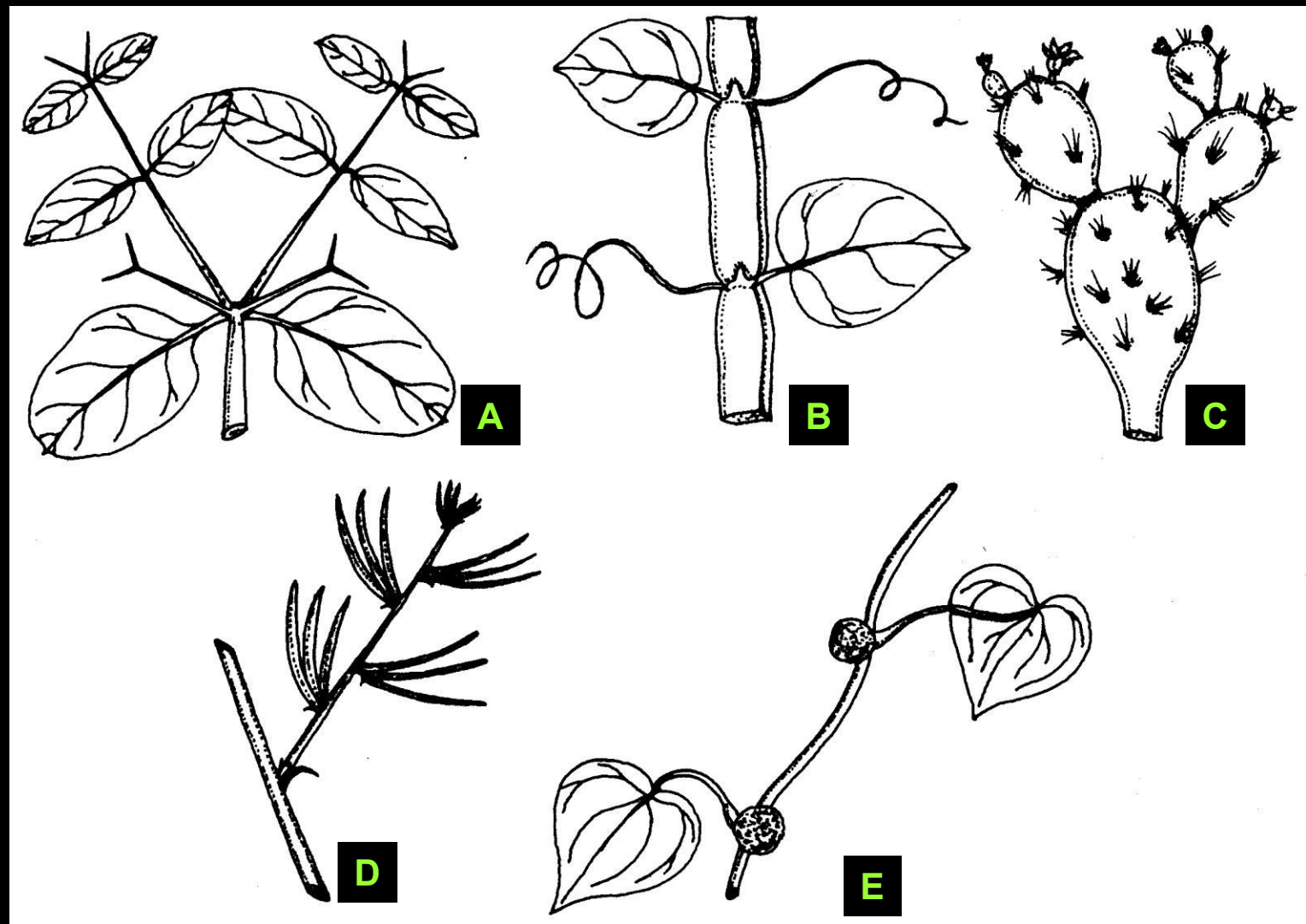
Modifications of Stems



A. Rhizome of Ginger; **B.** Corm of *Amorphophallus*; **C.** Tuber of Potato; **D.** Bulb of Onion; **E.** Runner of *Oxalis*; **F.** Stolon of *Colocasia*.

Modifications and adaptations

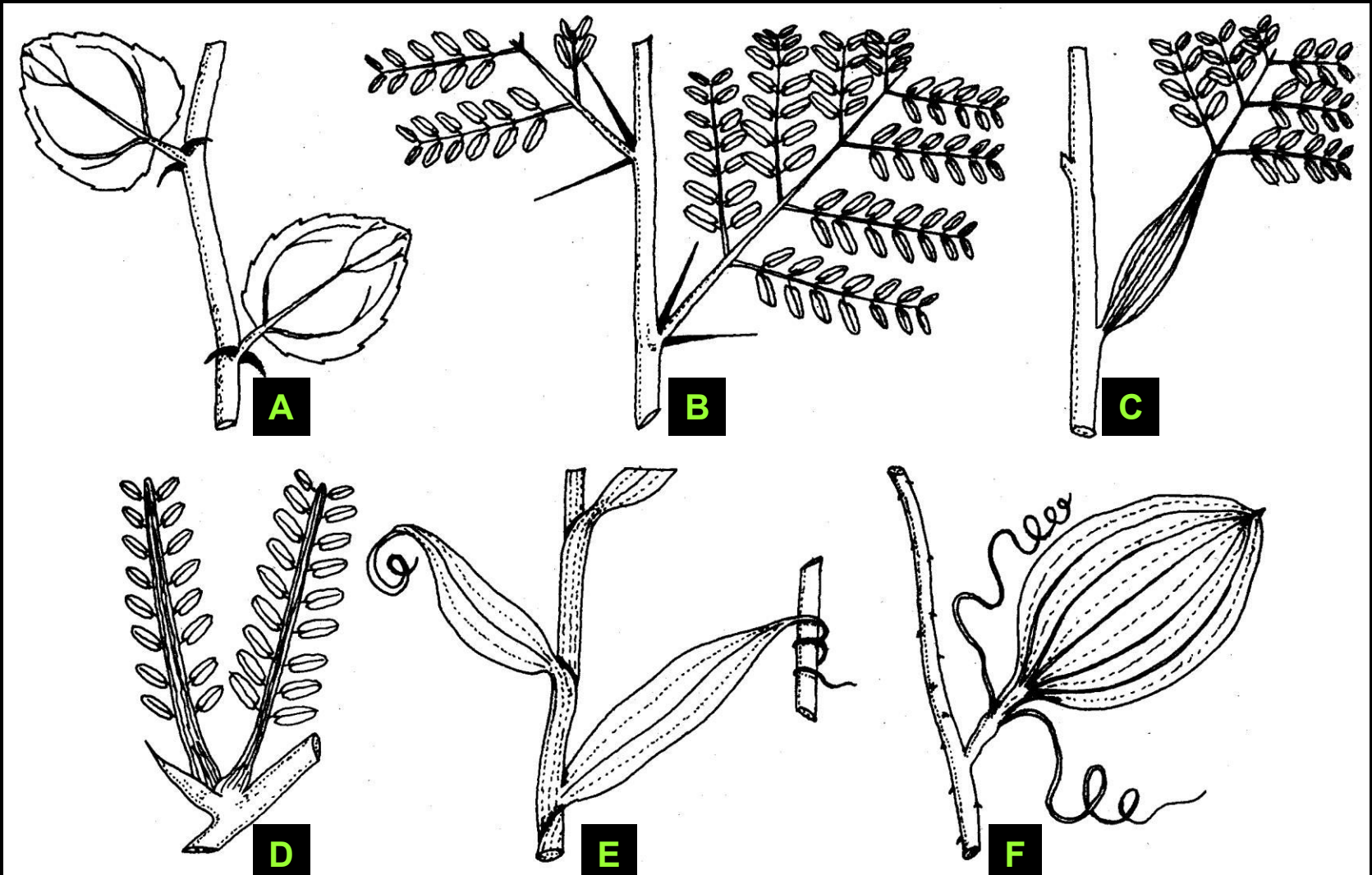
Aerial Modifications of Stems



A. Thorns in *Carissa*; **B.** Tendrils in *Cissus*; **C.** Phyllodes of *Opuntia*; **D.** Cladodes of *Asparagus*; **E.** Bulbils in *Dioscorea*

Modifications and adaptations

Modifications of Leaves-1



A. Leaf spines of *Ziziphus* & **B.** *Acacia*; **C.** Phyllode of *A. melanoxylon* & **D.** *Parkinsonia*; **E.** Leaf tendril of *Gloriosa* & **F.** *Smilax*

Modifications of Leaves-2



A.

B.

C.

- A. Foliar buds of *Bryophyllum*
- B. Pitchers of *Nepenthes*
- C. Tentacled leaves of *Drosera*