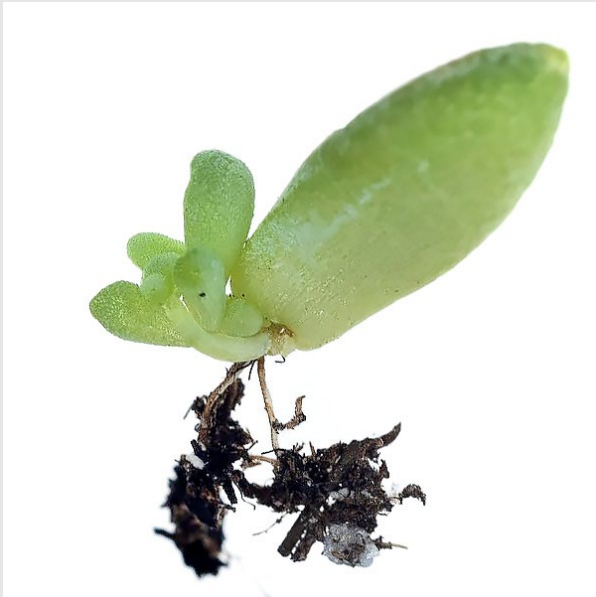




# Asexual Plant Propagation



By Judy Boyd-Persen  
Senior Master Gardener

# Asexual Reproduction

- Produces an exact genetic copy or clone of the parent plant
- For some species it is easier and faster
- It may be the only way to perpetuate some cultivars
- It bypasses juvenile characteristics of some species
- Major methods include cuttings, layering, division, separation, grafting and budding, and tissue culture



# Cuttings





# Coleus Cuttings







# Stem tip cuttings





# Hydrangea Stem Tip Cutting



# Medial Stem Cuttings





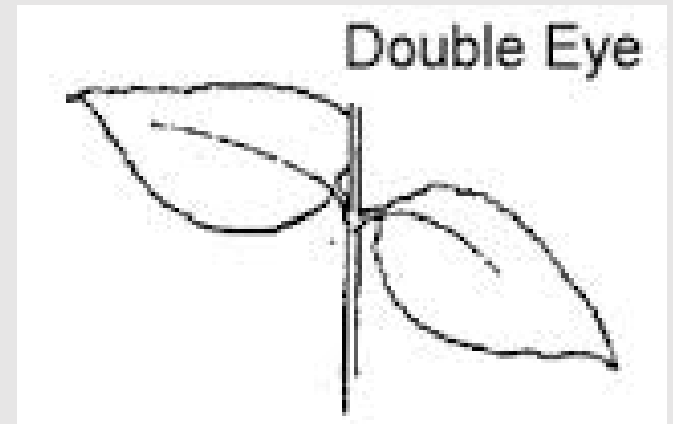
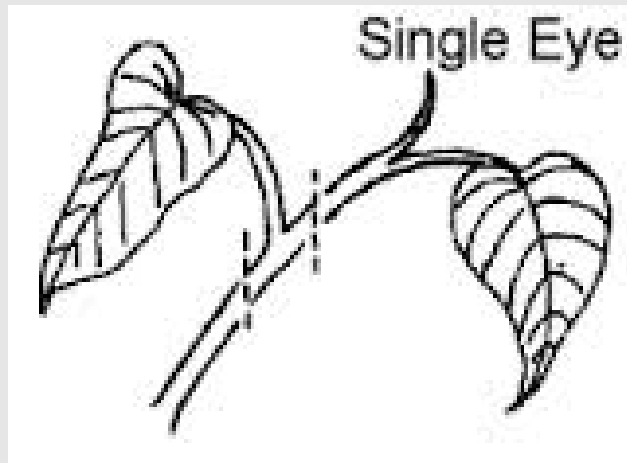
# Cane Cuttings



# Rooting Cane



# Types of Stem Cuttings



Heel Cutting





# Heel Cuttings







# Whole Leaf Cuttings

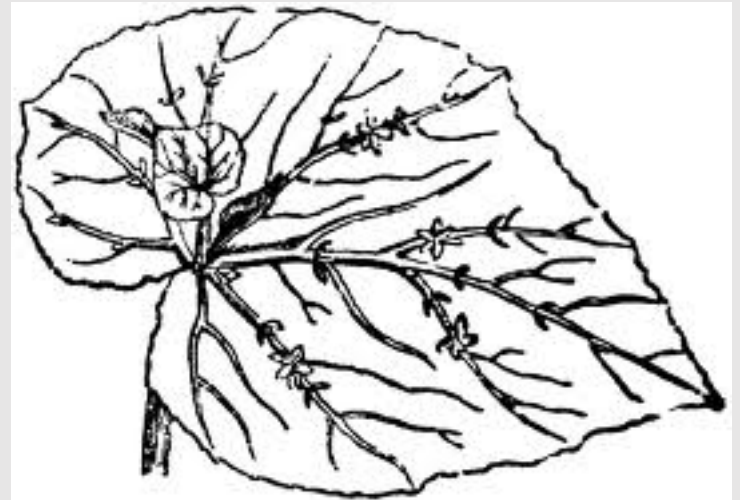
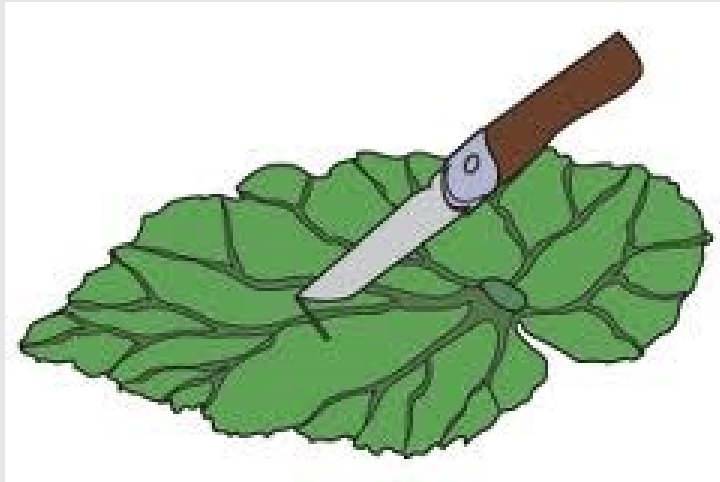




# Whole Leaf Cuttings without Petiole



# Split Vein Cuttings





# Split Vein Cutting







# Split Leaf Cutting



# Split Leaf Cuttings



# Split Leaf of Sanseveria





# Small Root Cuttings

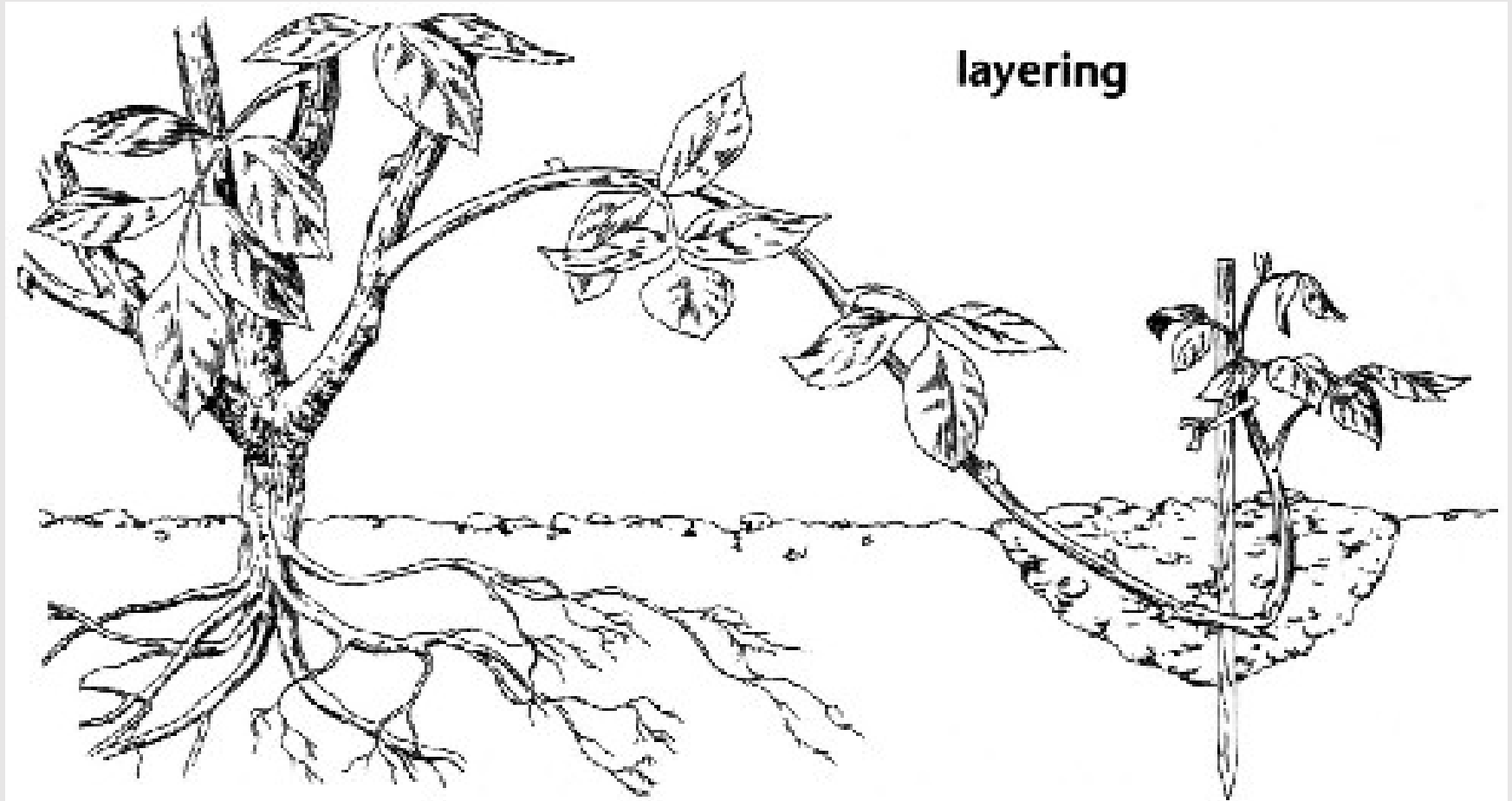




# Large Root Cuttings

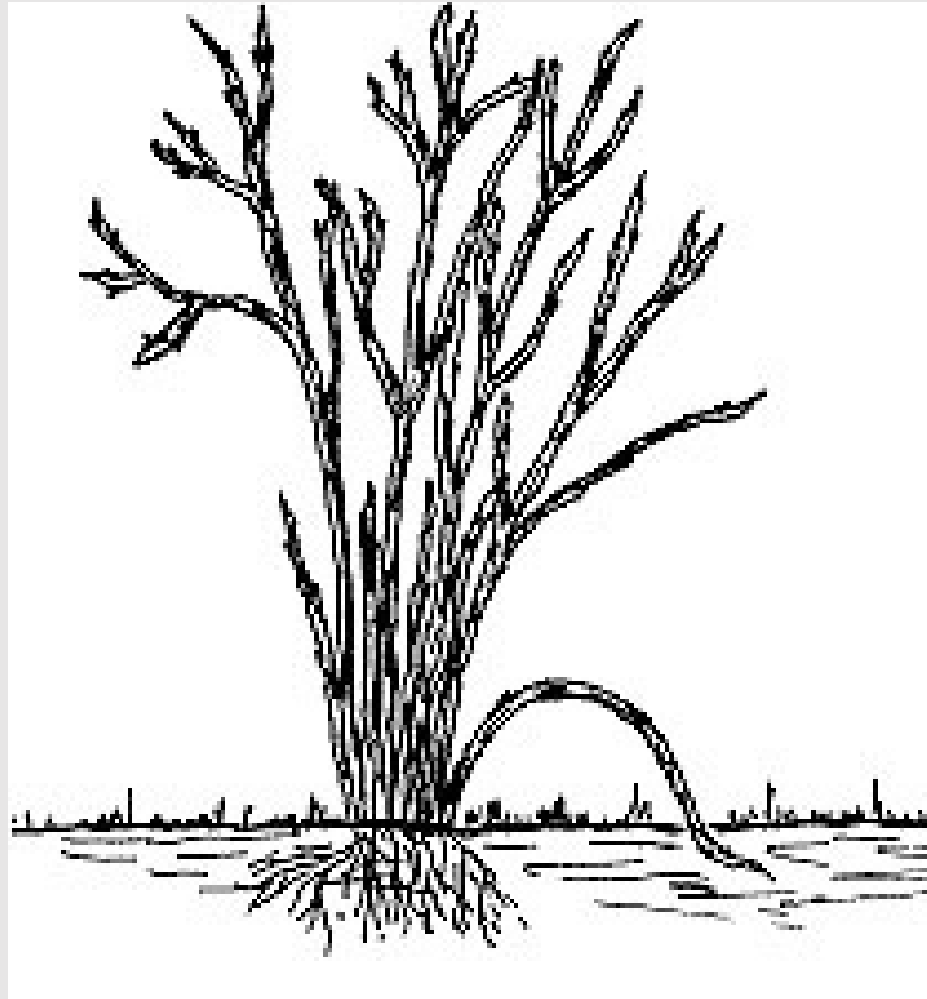


# Simple Layering

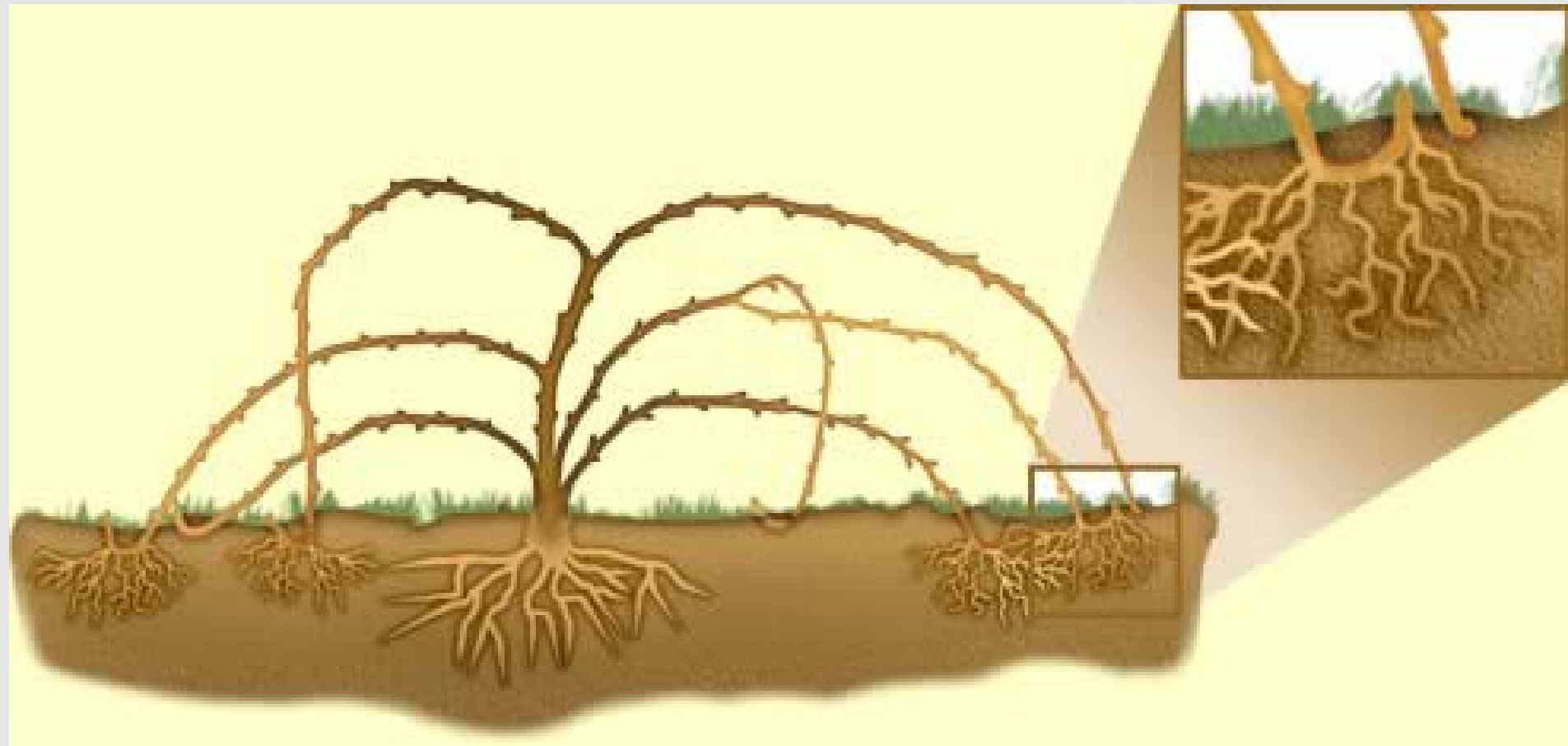




# Tip Layering



# Compound Layering





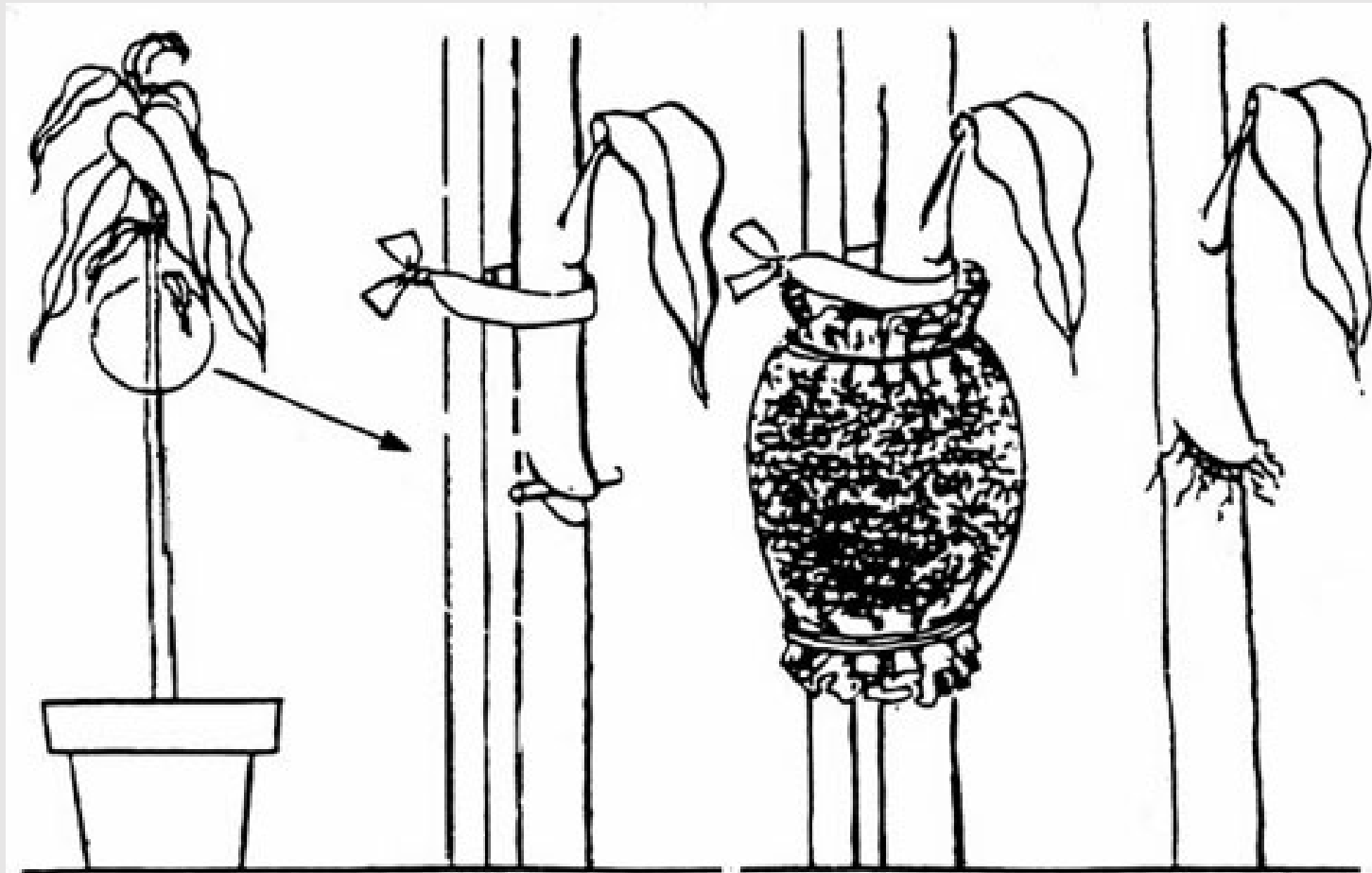


# Mound Layering





# Air Layering









Plantlets grow along the leaves







# Runners or Stolons



# Offsets







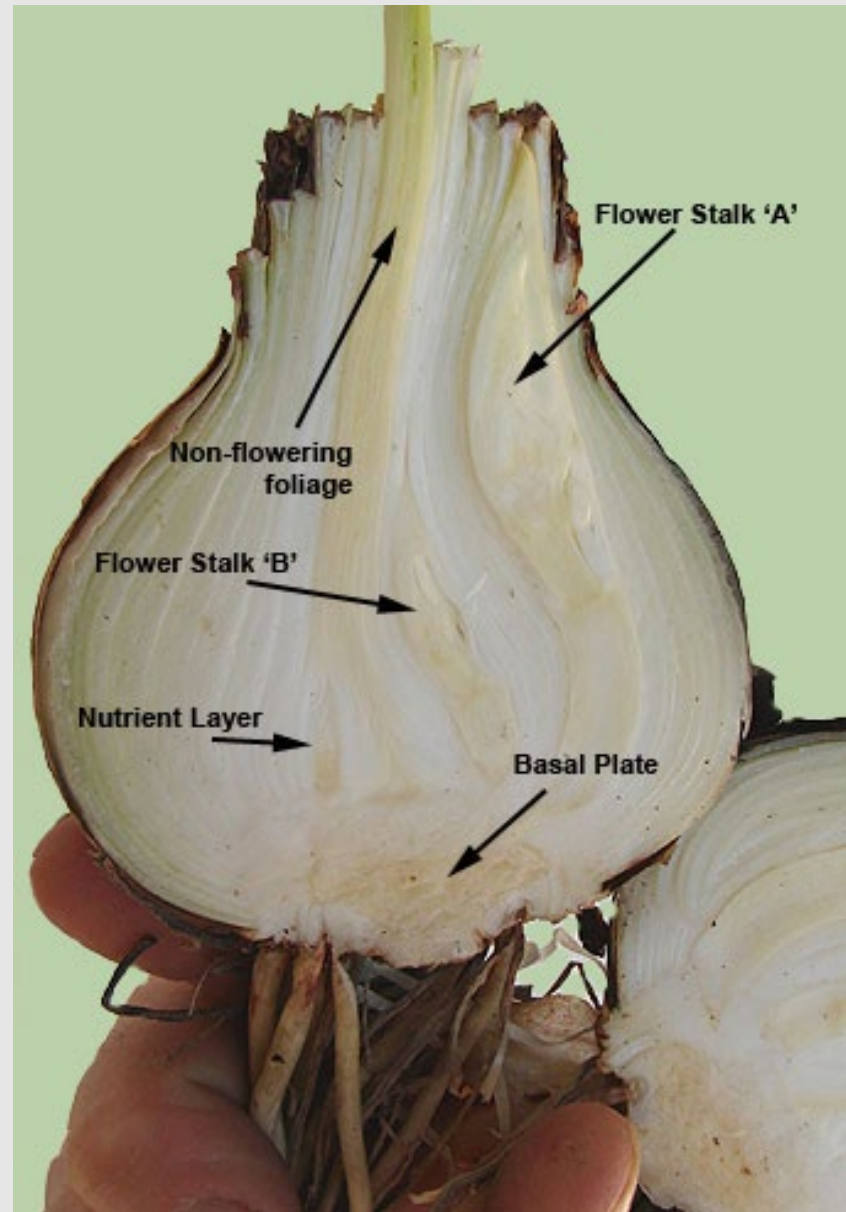
# Tulip Bulbs







# Cut Amaryllis Bulb





# Garlic Bulbs





# Cleft Graft



# Multiple Cleft Grafts





# Tongue or Whip Graft





# Tissue Culture



Dendrobium Orchid



Orchids



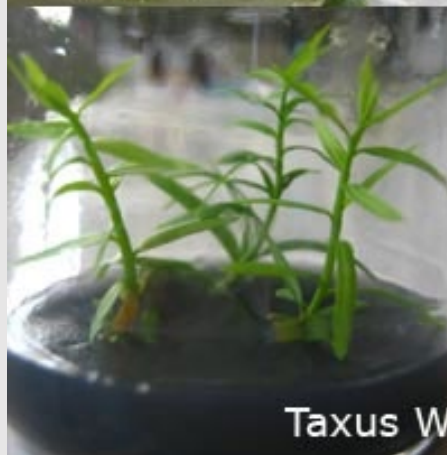
Chrysanthemum



Panax Callus



Potato



Taxus Wallichiana



Glyptostrobus pensilis





















# References

- Plant Propagation by American Horticultural Society, Editor Alan Toogood
- Making More Plants by Ken Druse
- Plant Parenting by Leslie Hallack
- Encyclopedia of Gardening Techniques, American Horticultural Society



Questions?