

Plant Unit Study Guides:

Ch 21: Diversity of Plants (20 pts):

p420 Thinking through the concepts #1, 2, 5, 6 & 8

Ch 42 Questions: Plant anatomy and nutrient transport (30 pts)

Complete Thinking through the concepts p 885 # 1-3,5,6,10.

11. If you were to live for the next several decades in a tree house built on the large lower branches of a tree, would you gain much altitude as you grew? Explain your answer.
12. Trace the route a water molecule would follow from the place where it enters a vascular plant until it is lost from a leaf by transpiration.
13. A tip for making cut flowers last longer without wilting is to cut off the ends of the stems under running water and then transfer the flowers to a vase full of water while drops of water are still present on the ends of the stems. Is this an old wives tale or will it really work? Explain your answer.

Ch 43: plant reproduction and development (20 pts)

Complete Thinking through the concepts p 906-907 #6 & 7.

Distinguish between these terms: (8pts)

- pollination and fertilization
- pollen grains and pollen tube
- ovule and female gametophyte
- embryo and fruit

Ch 44: control systems in plants

Complete the table:

Check off the hormone(s) required (1pts each)

	Absciscic acid	gibberillin	auxin	cytokinin	ethylene
Apical Dominance					
Bud dormancy					
Leaf and fruit drop					
Seed dormancy					
Seed germination					
Seedling growth					
Root growth					
Mature plant growth					
Fruit development					
Fruit ripening					
Closing of stomates					

p 923 *** Careful!!! **Applying the concepts #1-4 (2 pts each)**

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