

Botany

Questions are based upon Dawn Rafferty's lecture **and** Chapter 1 of Retail Garden Center Manual.

1. Draw and label the three basic anatomical components of all plants (hint: one is below ground and two are above.) (5pts)

2. What is a meristem and where is it found? (2pts)

13. What are three characteristics of a dicot? (3pts)

14. Name and define three stem modifications. (6pts)

15. What are the three venation patterns? (3pts)

16. What are compound leaves? (2pts)

17. What is the difference between an angiosperm and gymnosperm? (3pts)

18. Define the following flower parts: (4pts)

A. Pistal –

B. Stamen –

- C. Petals –
- D. Sepals –
19. What does the seed do? (2pts)
20. What is a fruit? For an extra point name your favorite fruit and tell what kind of fruit it is. (2pts)
21. Define the three growth habits of plants. (6pts)
22. What is the difference between an herbaceous and woody plant? (3pts)

23. Draw four different shapes of trees. (4pts)

24. Respiration is the _____ of photosynthesis. (1pt) For an extra point tell why this is so.

25. What is transpiration? (2pts)

26. Define three tropisms. (3pts)

27. Why do leaves change color in the fall? (2pts)

28. What is the oldest living plant on earth? (1pt)