

BIOLOGY TEST #10 (Chapters 24-25)

1. True or False? Not all plants are autotrophic.
2. What is one organelle that plant cells do not have but animal cells do?
3. What is the primary cell wall?
4. What is the middle lamella made of and what is its function?
5. Which cell wall is stronger, the primary or the secondary?
6. How are a seed and a spore different?
7. What is the difference between a monocot and a dicot seed?
8. Where does plant growth take place?
9. What is the difference in xylem and phloem location between monocot and dicot roots?
10. What is the difference in location of the xylem and phloem in a monocot and dicot stem?

11. What vascular tissue is located in the inner bark layer?
12. How do tree rings form?
13. What is responsible for nastic movements in plants?
14. Describe how the cohesion-tension theory explains the movement of nutrients throughout the plant.
15. True or False? Xylem carries material from leaves to the rest of the plant, and phloem carries material from the roots to the rest of the plant.
16. True or False? Nonvascular plants grow much larger than vascular plants.
17. What plant hormone is responsible for most tropisms?
18. When you look at a vascular plant, are you looking at a gametophyte or sporophyte?
19. In which structures do mosses produce the male and female gametes?
20. What are the parts of the pistil?
21. True or False? Gametophytes are gamete-producing plants.
22. True or False? Anthers, filaments, and stamens are all parts of male plant reproductive structures.

23. Describe the process of angiosperm pollination and fertilization.

24. True or False? Sporophytes are diploid.

25. True or False? Gametophytes produce haploid spores through meiosis.

26. True or False? Angiosperms display "double fertilization."