

CHAPTER REVIEW

Chapter 10

Plant Life

I. Vocabulary Review

In the blank, write the word or words that best complete the sentence.

1. Mosses and liverworts are classified as _____ plants.
2. Vessels that move food from the leaves to other parts of the plant are called _____.
3. Insects _____ plants by transferring pollen from the anther to the stigma.
4. The pigment that traps light from the sun is called _____.
5. In _____, water vapor is released through the stomata.
6. The vessels that transport water and minerals from the roots are called _____.
7. In _____, plants change water and carbon dioxide into sugar and oxygen.
8. Plants that have vessels to transport water, minerals, and food are _____ plants.

II. Concept Review

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- _____ 9. Conifers have seeds that are protected.
- _____ 10. Carbon dioxide, water vapor, and sunlight pass through the stomata on the underside of leaves.
- _____ 11. Wide dispersal of seeds minimizes the effects of competition.
- _____ 12. The male reproductive organ in a flower is called the pistil.
- _____ 13. Mosses reproduce by means of spores.

In the blank at the left, write the letter of the choice that best completes the statement.

- _____ 14. In the diagram of a leaf shown in Figure 1, most of the food is made in _____.
 a. the palisade layer, labeled **d**
 b. the palisade layer, labeled **b**
 c. the spongy layer, labeled **d**
 d. the epidermis, labeled **a**

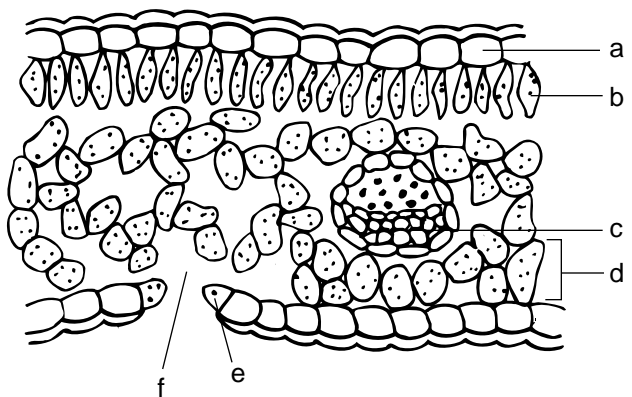


FIGURE 1

Chapter Review 10 (continued)

- _____ **15.** In Figure 1, the loss of water vapor during transpiration depends in part on _____.
a. only the exchange of gases through the epidermis, labeled **a**
b. only the position of the guard cells, labeled **e**
c. only the number of open stomata, labeled **f**
d. both answers b and c
- _____ **16.** The leaf in Figure 1 is classified as part of a plant because _____.
a. it makes its own food
b. it emits oxygen
c. it reproduces
d. it doesn't move
- _____ **17.** If the leaf in Figure 1 belonged to a vascular plant growing in a dry climate, you would expect to find a root system that is _____.
a. buried deep underground
b. close to the surface
c. formed of only one or two tap roots
d. composed of only rootlike fibers

III. Skills/Process Review

Answer the following questions in the spaces provided.

18. You eat a lunch of spaghetti and meatballs, garlic bread, tossed salad, and milk. Place a checkmark in the table to show which parts of your lunch came from plants and which parts came from animals.

19. Explain why even the lunch ingredients categorized as "animal" in the table ultimately depend on plants. _____

	Food	Plant	Animal
	Spaghetti		
	Noodles		
	Tomato sauce		
	Meatballs		
	Tossed salad		
	Lettuce		
	Cucumber		
	Cheese		
	Salad dressing		
	Garlic bread		
	Bread		
	Garlic		
	Butter		
	Milk		

IV. EYV Review

20. Science and Society: Green Plants vs. Industrial

Growth Explain global warming. _____

