

Skills Worksheet

Directed Reading

Section: Cell Features

Read each question, and write your answer in the space provided.

1. What is the cell theory?

2. Why can small cells exchange substances more readily than large cells?

3. What are prokaryotes?

4. What is the difference between flagella and cell walls?

5. How are cell walls important to bacterial cells?

In the space provided, write the letter of the description that best matches the term or phrase.

_____ 6. eukaryote

_____ 7. organelles

_____ 8. nucleus

_____ 9. cilia

a. short hairlike structures

b. cell structures that carry out specific activities

c. houses the cell's DNA

d. cells contain nuclei

Complete each statement by writing the correct term or phrase in the space provided.

10. The _____ of a phospholipid is polar, and the long _____ are nonpolar.

Directed Reading *continued*

11. The _____ is made of a double layer of phospholipids.

Read each question, and write your answer in the space provided.

12. What keeps proteins within the lipid bilayer?

13. What are the functions of the cell membrane?

In the space provided, write the letter of the description that best matches the term or phrase.

_____ 14. cell-surface marker

_____ 15. receptor protein

_____ 16. enzyme

_____ 17. transport protein

a. assists chemical reactions inside the cell

b. recognizes and binds to substances outside the cell

c. helps substances move across the cell membrane

d. identifies cell type