

Assessment

Chapter Test B

Cell Structure and Function

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

- | | |
|--------------------------------|---|
| _____ 1. mitochondrion | a. stores DNA and synthesizes RNA |
| _____ 2. endoplasmic reticulum | b. digests molecules, old organelles, and foreign substances |
| _____ 3. plasma membrane | c. site of protein synthesis |
| _____ 4. ribosome | d. processes and packages substances produced by the cell |
| _____ 5. cell | e. prepares proteins for export and synthesizes steroids |
| _____ 6. Golgi apparatus | f. regulates movement of substances into and out of cell |
| _____ 7. nucleus | g. transfers energy to ATP |
| _____ 8. lysosome | h. the basic unit of life |

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 9. The maximum size to which a cell may grow is limited mainly by the cell's
- | | |
|-------------------------|----------------------------------|
| a. shape. | c. function. |
| b. surface area. | d. internal organization. |
- _____ 10. The discovery of cells is linked most directly with
- early investigations of causes of diseases.
 - observations of large, unicellular organisms.
 - the development of the microscope.
 - efforts to reproduce organisms in the laboratory.
- _____ 11. Which of the following are components of the plasma membrane that have a significant role in its functioning?
- | | |
|--------------------|----------------------------|
| a. lipids | c. carbohydrates |
| b. proteins | d. All of the above |
- _____ 12. In which of the following types of cells would you expect to find a large number of mitochondria?
- | | |
|----------------|------------------|
| a. bone | c. muscle |
| b. skin | d. blood |

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C Cleary



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