

Biology Chapter 7 Test

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 1. Which of the following organisms do not have cell walls?
 - a. plants
 - b. fungi
 - c. bacteria
 - d. animals
- _____ 2. Folded membranes are an advantage to a cell because _____.
 - a. cell processes can be more efficient
 - b. the membranes provide a large surface area
 - c. the membranes form interconnected compartments
 - d. all of these
- _____ 3. All living things are made up of _____.
 - a. cells
 - b. cork
 - c. wastes
 - d. cellulose
- _____ 4. What do electron microscopes use to focus and magnify an image?
 - a. glass lenses
 - b. X rays
 - c. electron beams
 - d. light
- _____ 5. Each of the following is a main idea of the cell theory except _____.
 - a. all organisms are composed of cells
 - b. the cell is the basic unit of organization of organisms
 - c. all cells are similar in structure and function
 - d. all cells come from preexisting cells
- _____ 6. The scientist who first described living cells as seen through a simple microscope was _____.
 - a. van Leeuwenhoek
 - b. Schleiden
 - c. Hooke
 - d. Schwann
- _____ 7. One advantage of electron microscopes over light microscopes is their _____.
 - a. size
 - b. higher magnification
 - c. two-dimensional image
 - d. use of live specimens
- _____ 8. If a cell contains a nucleus, it must be a(n) _____.
 - a. plant cell
 - b. eukaryotic cell
 - c. animal cell
 - d. prokaryotic cell
- _____ 9. In a chloroplast, the stacks of membranous sacs are called _____.
 - a. stroma
 - b. grana
 - c. plastids
 - d. thylakoid membrane
- _____ 10. Because cells have a watery environment both inside and outside, the polar ends of the phospholipids in the plasma membrane form _____ layers.
 - a. several
 - b. mosaic
 - c. double
 - d. single
- _____ 11. The fluid mosaic model describes a structure with _____.
 - a. polar layers on the outside and nonpolar layer on the inside
 - b. nonpolar layers on the outside and a polar layer on the inside
 - c. polar layers on both inside and outside
 - d. nonpolar layers on both inside and outside