gy. Finai Exam 1911 5. Gieinauu 2010-2011

ple Choice

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

- 1. Which cell structure contains the cell's genetic material and controls many of the cell's activities?
 - a. organelle

c. cell envelope

b. nucleus

- d. cytoplasm
- 2. Cells fall into two broad categories, depending on whether they
 - have a cell wall.

- c. have a nucleus.
- b. contain genetic material.
- d. contain chloroplasts.
- 3. Eukaryotes usually contain
 - a nucleus.

c. genetic material.d. all of the above

b. specialized organelles.

- 4. Which organelle breaks down compounds into small particles that the cell can use?
 - a. Golgi apparatus

c. endoplasmic reticulum d. mitochondrion

b. lysosome

Prokaryotes lack

c. a nucleus.

a. cytoplasm.b. a cell membrane.

- d. genetic material.
- 6. Which of the following contains a nucleus?
 - a. prokaryotes

c. eukaryotes

b. bacteria

- d. organelles
- 7. Which of the following is a function of the nucleus?
 - a. stores DNA
 - b. controls most of the cell's processes
 - c. contains the information needed to make proteins
 - d. all of the above
- 8. Which of the following is a function of the cytoskeleton?
 - a. helps a cell keep its shape
 - b. contains DNA
 - c. surrounds the cell
 - d. helps make proteins
- 9. Which of the following is an organelle found in the cytoplasm?
 - a. nucleolus

- c. chromatin
- b. ribosome 10. Which of the following structures serves as the cell's boundary from its environment?
- d. cell wall

a. mitochondrion

c. chloroplast

cell membrane

- d. channel proteins
- 11. The diffusion of water across a selectively permeable membrane is called a. osmotic pressure.
 - c. facilitated diffusion. d. active transport.
- b. osmosis. 12. Which of the following is an example of an organ?

c. digestive systemd. nerve cell

a. heartb. epithelial tissue