

TEST: CELL**MULTIPLE CHOICE**

Write the letter of the answer that best completes each statement.

1. The structures that make up the cell are called
 - a. tissues.
 - b. organelles.
 - c. systems.
 - d. organisms.
2. The protein-making sites of the cell are the
 - a. mitochondria.
 - b. ribosomes.
 - c. chloroplasts.
 - d. chromosomes.
3. The control center of the cell is the
 - a. nucleus.
 - b. chloroplast.
 - c. cytoplasm.
 - d. mitochondria.
4. The scientist who discovered that all plants were made of cells was
 - a. Robert Hooke.
 - b. Rudolph Virchow.
 - c. Mathias Schleiden.
 - d. Anton van Leeuwenhoek.
5. The cell theory states that all living things are made up of
 - a. organisms.
 - b. cells.
 - c. tissues.
 - d. proteins.
6. The outer covering of an animal cell is the
 - a. cell wall.
 - b. vacuole.
 - c. cell membrane.
 - d. nucleus.
7. When cells that are similar in structure and function join together, they form
 - a. tissues.
 - b. organs.
 - c. systems.
 - d. organisms.
8. A sac in the cytoplasm of a cell that stores water, food, and other materials is a
 - a. chloroplast.
 - b. vacuole.
 - c. nucleic acid.
 - d. chromosome.
9. Proteins are transported from the nuclear membrane to other parts of the cell through the
 - a. ribosomes.
 - b. mitochondria.
 - c. vacuoles.
 - d. endoplasmic reticulum.
10. The microscopic unit of structure and function in an organism is a(an)
 - a. cell.
 - b. organ.
 - c. organelle.
 - d. tissue.
11. Food and other materials enter and leave the cell through openings in the
 - a. nucleus.
 - b. ribosomes.
 - c. chromosomes.
 - d. cell membrane.
12. The division of the nucleus and cytoplasm and duplication of chromosomes is called
 - a. mitosis.
 - b. osmosis.
 - c. reproduction.
 - d. diffusion.
13. The "blueprints" of life are found in a cell's
 - a. chromosomes.
 - b. membrane.
 - c. cytoplasm.
 - d. chloroplasts.
14. Structures normally found in animal cells, but not in plant cells, are the
 - a. cell walls.
 - b. centrioles.
 - c. cell membranes.
 - d. chromosomes.
15. A structure involved in regulating the movement of materials into a cell is the
 - a. ribosome.
 - b. centriole.
 - c. Golgi complex.
 - d. cell membrane.
16. Within a cell, DNA is chiefly found in the
 - a. cell wall.
 - b. plasma membrane.
 - c. ribosome.
 - d. chromosomes.
17. An intestinal cell that secretes an enzyme would most likely contain any
 - a. ribosome.
 - b. centrioles.
 - c. chloroplasts.
 - d. nuclei.
18. Intracellular transport of materials is most closely associated with which cell organelle?
 - a. cell membrane.
 - b. cell wall.
 - c. ribosome.
 - d. endoplasmic reticulum.