

Name: _____

Date: _____

Animal Cells - Multiple Choice Worksheet

1. What is the primary function of the nucleus in an animal cell?

- A. Produces energy
 - B. Contains genetic material (DNA)
 - C. Synthesizes proteins
 - D. Breaks down waste
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2. Which organelle is known as the “powerhouse” of the cell?

- A. Ribosome
 - B. Lysosome
 - C. Mitochondria
 - D. Golgi apparatus
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3. What is the role of the ribosomes in an animal cell?

- A. Transporting materials
 - B. Synthesizing proteins
 - C. Storing energy
 - D. Breaking down waste
-

4. Which organelle is responsible for modifying, sorting, and packaging proteins?

- A. Nucleus
 - B. Mitochondria
 - C. Golgi apparatus
 - D. Lysosome
-

5. The cell membrane controls:

- A. The production of proteins
- B. The flow of materials into and out of the cell
- C. Energy production in the cell
- D. The creation of waste materials

6. What is the cytoplasm?

- A. The structure that stores the cell's genetic material
 - B. The fluid that fills the cell and holds the organelles
 - C. The outermost layer of the cell
 - D. The organelle responsible for producing energy
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7. Which of the following is a key function of lysosomes?

- A. Energy production
 - B. Protein synthesis
 - C. Digesting and removing waste materials
 - D. DNA storage
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8. The rough endoplasmic reticulum (ER) is involved in:

- A. Protein synthesis
 - B. Lipid production
 - C. Breaking down food
 - D. Transporting waste
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9. What is the difference between the smooth and rough endoplasmic reticulum?

- A. The rough ER has ribosomes attached, and the smooth ER does not
 - B. The smooth ER is involved in protein synthesis, and the rough ER is not
 - C. The rough ER breaks down lipids, and the smooth ER produces energy
 - D. The smooth ER creates DNA, and the rough ER modifies proteins
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10. Which of the following organelles are only found in animal cells, not in plant cells?

- A. Mitochondria
- B. Nucleus
- C. Lysosomes
- D. Ribosomes