Name _____ Date _____

**Structure and Function of Cells 2:** Choose the one best answer for each question.

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1. Which statement explains why plant cells need chloroplasts?
☐ A) To break down oxygen
☐ B) To produce food using sunlight
☐ C) To pump blood
☐ D) To send nerve signals

2. Why do animal cells not have cell walls?
☐ A) Animals need flexible cells for movement
☐ B) Animals make their own food
☐ C) Animal cells are larger than plant cells
☐ D) Animal cells do not have membranes

3. Which structure is found in both plant and animal cells and stores water or other materials?
☐ A) Chloroplast
☐ B) Cell wall
☐ C) Vacuole
☐ D) Cell plate

4. If a cell could not produce enough energy, which organelle would likely not be working properly?
☐ A) Mitochondrion
☐ B) Cell membrane
☐ C) Nucleus
☐ D) Ribosome

5. Which best describes a similarity between plant and animal cells?
☐ A) Both have chloroplasts.
☐ B) Both have a cell membrane.
☐ C) Both have cell walls.
☐ D) Both can make their own food.

6. Which cell structure contains the genetic material of the cell?
☐ A) Cytoplasm
☐ B) Mitochondrion
☐ C) Nucleus
☐ D) Cell wall

7. Which scenario describes a plant cell but not an animal cell?
☐ A) The cell stores DNA in a nucleus.
☐ B) The cell uses chloroplasts to make food.
☐ C) The cell contains cytoplasm.
☐ D) The cell produces energy in mitochondria.

8. Which structure helps materials move in and out of both plant and animal cells?
☐ A) Cell wall
☐ B) Chloroplast
☐ C) Cell membrane
☐ D) Vacuole

9. Why is the large central vacuole important in plant cells?
☐ A) It helps maintain cell shape and store water.
☐ B) It produces oxygen.
☐ C) It sends electrical signals.
☐ D) It breaks down food.

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