

Cell Structure Test

Part I - Multiple Choice: Choose the best answer for each question.

1. Which organelle is known as the control center of the cell?
 - A. Ribosome
 - B. Nucleus
 - C. Vacuole
 - D. Chloroplast
2. What is the function of the cell membrane?
 - A. Produces energy
 - B. Stores food
 - C. Controls what enters & leaves the cell
 - D. Makes proteins
3. Which organelle is called the powerhouse of the cell?
 - A. Chloroplast
 - B. Nucleus
 - C. Mitochondria
 - D. Ribosome
4. Which structure is found only in plant cells?
 - A. Cell membrane
 - B. Cytoplasm
 - C. Cell wall
 - D. Nucleus
5. What is the jelly-like substance inside the cell called?
 - A. Cytoplasm
 - B. Chlorophyll
 - C. Vacuole
 - D. Ribosome
6. Which organelle helps make proteins?
 - A. Ribosome
 - B. Mitochondria
 - C. Nucleus
 - D. Golgi body
7. What do chloroplasts do in plant cells?
 - A. Control movement
 - B. Carry genetic material
 - C. Make food through photosynthesis
 - D. Store water
8. Which organelle stores water, food, and waste?
 - A. Ribosome
 - B. Vacuole
 - C. Nucleus
 - D. Mitochondria
9. Which type of cell contains chloroplasts?
 - A. Animal cell
 - B. Bacterial cell
 - C. Plant cell
 - D. Blood cell
10. Which structure provides support and protection in plant cells?
 - A. Cell wall
 - B. Cell membrane
 - C. Cytoplasm
 - D. Nucleus

Part II – Matching: Match the cell structure in Column A with its function in Column B.

Column A

- 11. Nucleus
- 12. Ribosome
- 13. Mitochondria
- 14. Cell membrane
- 15. Chloroplast
- 16. Vacuole
- 17. Cytoplasm
- 18. Cell wall

Column B

- A. Makes proteins
- B. Produces energy
- C. Controls the cell
- D. Controls what enters and leaves
- E. Makes food through photosynthesis
- F. Stores water and materials
- G. Jelly-like material inside cell
- H. Supports and protects plant cells

Part III – True or False: Write T or F

- 19. _____ Animal cells have chloroplasts.
- 20. _____ The nucleus contains the cell's DNA.
- 21. _____ Cytoplasm is found inside the cell membrane.
- 22. _____ Ribosomes help produce proteins.
- 23. _____ Plant cells have a cell wall.
- 24. _____ Mitochondria produce energy for the cell.
- 25. _____ All cells have a cell membrane.
- 26. _____ Vacuoles are used for storage.
- 27. _____ Chloroplasts are found in animal cells.
- 28. _____ The cell wall is flexible like the cell membrane.
- 29. _____ Prokaryotic cells do not have a nucleus.
- 30. _____ Cells are the basic unit of life.