

Cell Structure Test

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

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