

Cell Types and Cell Structures Test

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

- Which type of cell contains a nucleus?
 - Prokaryotic cell
 - Eukaryotic cell
 - Bacterial cell
 - Virus
 - Which structure controls what enters and leaves the cell?
 - Nucleus
 - Cell wall
 - Cell membrane
 - Cytoplasm
 - Which organelle is known as the powerhouse of the cell?
 - Ribosome
 - Vacuole
 - Mitochondria
 - Chloroplast
 - Plant cells contain which structure that animal cells do not?
 - Cytoplasm
 - Cell wall
 - Cell membrane
 - Ribosome
 - Which organelle contains the cell's DNA?
 - Vacuole
 - Nucleus
 - Cytoplasm
 - Ribosome
 - What is the function of ribosomes?
 - Produce energy
 - Store water
 - Make proteins
 - Control the cell
 - Which cells perform photosynthesis?
 - Animal cells
 - Blood cells
 - Plant cells
 - Muscle cells
 - Which organelle stores food, water, and waste materials?
 - Vacuole
 - Nucleus
 - Mitochondria
 - Ribosome
 - Which type of cell does NOT contain a nucleus?
 - Plant cell
 - Animal cell
 - Eukaryotic cell
 - Prokaryotic cell
 - The jelly-like substance inside the cell is called:
 - Chloroplast
 - Cytoplasm
 - Cell wall
 - Nucleolus
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Part II - Fill in the Blank

Word Bank

Chloroplasts

Cell

Ribosomes

Eukaryotic

Mitochondria

Cell wall

Cytoplasm

Cell membrane

Prokaryotic

Nucleus

11. The _____ is the basic unit of life.
12. _____ cells do not contain a nucleus.
13. The _____ controls the activities of the cell.
14. Plant cells contain green organelles called _____.
15. The _____ gives plant cells support and protection.
16. _____ help produce proteins in the cell.
17. The _____ is found inside the cell membrane and surrounds organelles.
18. _____ release energy from food.
19. The _____ controls what enters and exits the cell.
20. Animal and plant cells are both types of _____ cells.

Part III - Matching: Match the cell structure in Column A with its correct function in Column B.

Column A

21. Nucleus
22. Ribosome
23. Mitochondria
24. Chloroplast
25. Vacuole
26. Cell wall

Column B

- A. Makes proteins
- B. Produces energy
- C. Controls the cell
- D. Supports and protects plant cells
- E. Makes food through photosynthesis
- F. Stores food, water, and waste