

1. Which organelle is known as the “brain” of the cell?
 - a) Mitochondria
 - b) Nucleus
 - c) Ribosome
 - d) Vacuole
 2. The powerhouse of the cell is:
 - a) Chloroplast
 - b) Nucleus
 - c) Mitochondria
 - d) Golgi body
 3. Ribosomes are responsible for:
 - a) Photosynthesis
 - b) Protein synthesis
 - c) Energy production
 - d) Waste removal
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Part C – Fill in the Blanks

1. The jelly-like substance inside the cell is called _____.
 2. _____ helps in packaging and transport of materials in the cell.
 3. Plant cells have _____, which are absent in animal cells.
 4. _____ controls what enters and leaves the cell.
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Part D – Higher Order Thinking (HOTS)

Q: A student observed two cells under a microscope. One cell had a large vacuole and chloroplasts, while the other did not.

 Identify the type of cells and justify how organelles help in their functions.

Part E – Diagram Labeling (Optional Upload Task)

Identify plant cell and label the following:

- Nucleus
- Cell wall
- Chloroplast
- Vacuole
- Cytoplasm