

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.

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## Part E – Diagram Labeling (Optional Upload Task)

Identify plant cell and label the following:

- Nucleus
- Cell wall
- Chloroplast
- Vacuole
- Cytoplasm