

KNOWLEDGE



QUESTION

QUESTION 1

1. The diagram below shows a cross-section of a plant cell. Label the parts of the cell and state their functions.



ANSWER

1. The diagram below shows a cross-section of a plant cell. Label the parts of the cell and state their functions.

1. Cell Wall: Provides structural support and protection.

2. Cell Membrane: Controls the entry and exit of substances.

3. Nucleus: Contains genetic material (DNA) and controls cell activities.

4. Chloroplast: Performs photosynthesis to produce food for the cell.

5. Mitochondrion: Produces energy for the cell through cellular respiration.

6. Endoplasmic Reticulum: Synthesizes and transports proteins and lipids.

7. Golgi Apparatus: Packages and distributes proteins and lipids.

8. Lysosome: Breaks down waste materials and cellular debris.

9. Vacuole: Stores water, nutrients, and waste products.

10. Cytoplasm: The fluid medium where organelles are suspended.

11. Centrioles: Involved in cell division.

QUESTION

QUESTION 2

2. The diagram below shows a cross-section of an animal cell. Label the parts of the cell and state their functions.