

KNOWLEDGE



QUESTION

1. What is the function of the nucleus?

2. How do chloroplasts produce food?

3. What is the role of mitochondria?

4. Describe the function of the Golgi apparatus.

5. How do lysosomes break down waste?

6. What is the purpose of the vacuole?

7. How does the cell membrane control substances?

8. What is the function of the cell wall?

9. How do centrioles contribute to cell division?

10. What is the role of the cytoplasm?

ANSWER

1. The nucleus contains genetic material and controls cell activities.

2. Chloroplasts perform photosynthesis to produce food for the cell.

3. Mitochondria produce energy for the cell through cellular respiration.

4. The Golgi apparatus processes and packages proteins for transport.

5. Lysosomes break down waste materials and cellular debris.

6. The vacuole stores water, nutrients, and waste products.

7. The cell membrane controls the entry and exit of substances.

8. The cell wall provides structural support and protection.

9. Centrioles are involved in cell division.

10. The cytoplasm is the fluid medium where organelles are suspended.