

Flashcards Parts Of A Cell PDF

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What is the function of the cell membrane?

The cell membrane controls the movement of substances in and out of the cell.

What is the role of the nucleus in a cell?

The nucleus acts as the control center of the cell, housing the cell's DNA and coordinating activities such as growth, metabolism, and reproduction.

What are ribosomes responsible for?

Ribosomes are responsible for protein synthesis in the cell.

What is the function of mitochondria?

The mitochondria are known as the powerhouse of the cell, generating ATP through cellular respiration.

What is the purpose of the endoplasmic reticulum?

The endoplasmic reticulum is involved in the synthesis of proteins and lipids.

What do lysosomes do?

Lysosomes contain enzymes that break down waste materials and cellular debris.

What is the function of the Golgi apparatus?

The Golgi apparatus modifies, sorts, and packages proteins and lipids for secretion or delivery to other organelles.

What is the role of chloroplasts in plant cells?

Chloroplasts are responsible for photosynthesis, converting light energy into chemical energy.

What is the cytoskeleton?

The cytoskeleton provides structural support to the cell and helps in cell movement and division.

What is the function of vacuoles?

Vacuoles store nutrients, waste products, and help maintain turgor pressure in plant cells.