

Organelle Flashcards PDF

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What is the function of the nucleus?

The nucleus controls the cell's activities and contains the genetic material.

What is the role of mitochondria?

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

What is the function of ribosomes?

Ribosomes are responsible for protein synthesis.

What is the purpose of the endoplasmic reticulum?

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

What does the Golgi apparatus do?

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

What is the function of lysosomes?

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

What is the role of the cell membrane?

The cell membrane protects the cell and regulates what enters and leaves the cell.

What is the function of chloroplasts?

Chloroplasts are responsible for photosynthesis in plant cells.

What is the purpose of the cytoskeleton?

The cytoskeleton provides structural support and helps in cell movement.

What is the function of vacuoles?

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