

Organelles and their functions

Typical Plant Organelles

Name	Function	Your reminder
Cell Wall	A rigid structure which hold the cell in place.	
Cell Membrane	A semi porous container that defines the cell boundary and allow material to flow into and out of the cell.	
Cytoplasm	The area between the nucleus and the cell membrane.	
Nucleus	Contains the cell DNA and is control center of the cell	
Central Vacuole	A store of water, glucose, and other materials	
Chloroplast	Traps the energy from sunlight and converts it into chemical energy.	
Mitochondria	Changes the chemical energy stored in food into compounds that are more convenient for the cell to use.	
Lysosome	Processes food particles, waste, cell parts, and foreign invaders	
Endoplasmic Reticulum	Processes and transports materials out of the cell	
Golgi Apparatus	Makes lipids, breaks down drugs and other substances, packages up proteins for release from the cell	
Ribosome	The site where amino acids are hooked together to make proteins.	

Organelles and their functions

Typical Animal Organelles

Name	Function	Your reminder
Cell Membrane	A semi porous container that defines the cell boundary and allow material to flow into and out of the cell.	
Cytoplasm	The area between the nucleus and the cell membrane.	
Nucleus	Contains the cell DNA and is control center of the cell	
Endoplasmic Reticulum	Processes and transports materials out of the cell	
Golgi Apparatus	Makes lipids, breaks down drugs and other substances, packages up proteins for release from the cell	
Lysosome	Processes food particles, waste, cell parts, and foreign invaders	
Mitochondria	Changes the chemical energy stored in food into compounds that are more convenient for the cell to use.	
Ribosome	The site where amino acids are hooked together to make proteins.	

Organelles and their functions

Found in Plan and Animal Cells	Found only in plant cells
<ul style="list-style-type: none">• Cell _____.• Nucleus• Ribosomes• Mitochondrion• _____ Apparatus• Endoplasmic _____.	<ul style="list-style-type: none">• _____ Wall.• Large _____.• Chloroplasts