

Name: \_\_\_\_\_  
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## Anatomy of a Plant Cell

### Word Bank:

Cell membrane  
Nucleus

Ribosomes  
Endoplasmic Reticulum  
Cell Wall

Lysosome  
Vacuole

Chloroplast  
Mitochondria  
Golgi Apparatus

### Cell Membrane

separates the interior of the cell from the outside environment. consists of a lipid bilayer that is semi permeable

### Ribosomes

A protein RNA complex where translation (a process that turns RNA into amino acids) occurs. These serve as a major site of protein synthesis.

### Cell Wall

surrounds the cell membrane of a plant cell and provides structural support and protection

### Lysosome

Organelle that contains digestive enzymes that break down cell parts

### Cytoplasm

Gel like fluid inside the cell that suspends the organelles

### Chloroplast

Organelle that converts light energy into chemical energy via photosynthesis

### Endoplasmic Reticulum

Laced with ribosomes it is wrapped around the nuclear membrane to quickly make most of the proteins that are encoded in the nucleus

### Nucleus

Its double membrane stores the DNA within the cell, described as the control center

### Mitochondria

Organelle that produces chemical energy for the cell

### Vacuole

Storage area for a cell, in plant cells they help maintain water balance

### Golgi Apparatus

Responsible for the packaging, transport, and modification of proteins and lipids

