

Cell Theory: What we believe about cells.

1. All living things are made of cells
2. Cells are the smallest unit of life
3. All cells come from other cells

Organelles: Structures inside a cell that helps the cell perform its functions

Cell Organelles:

Cell Wall: Plants Only. On the outside of cell, Gives structure

Cell Membrane: Keeps organelles in. Controls what goes in and out

Cytoskeleton: Gives structure.

Nucleus: Stores & Protects DNA.

Mitochondria: Produces energy in the form of ATP

Chloroplasts: PLANTS ONLY. Make sugars from the sun's energy

Vacuoles: Store water & nutrients.

Lysosomes: Mainly in Animal cells. Store & get rid of waste

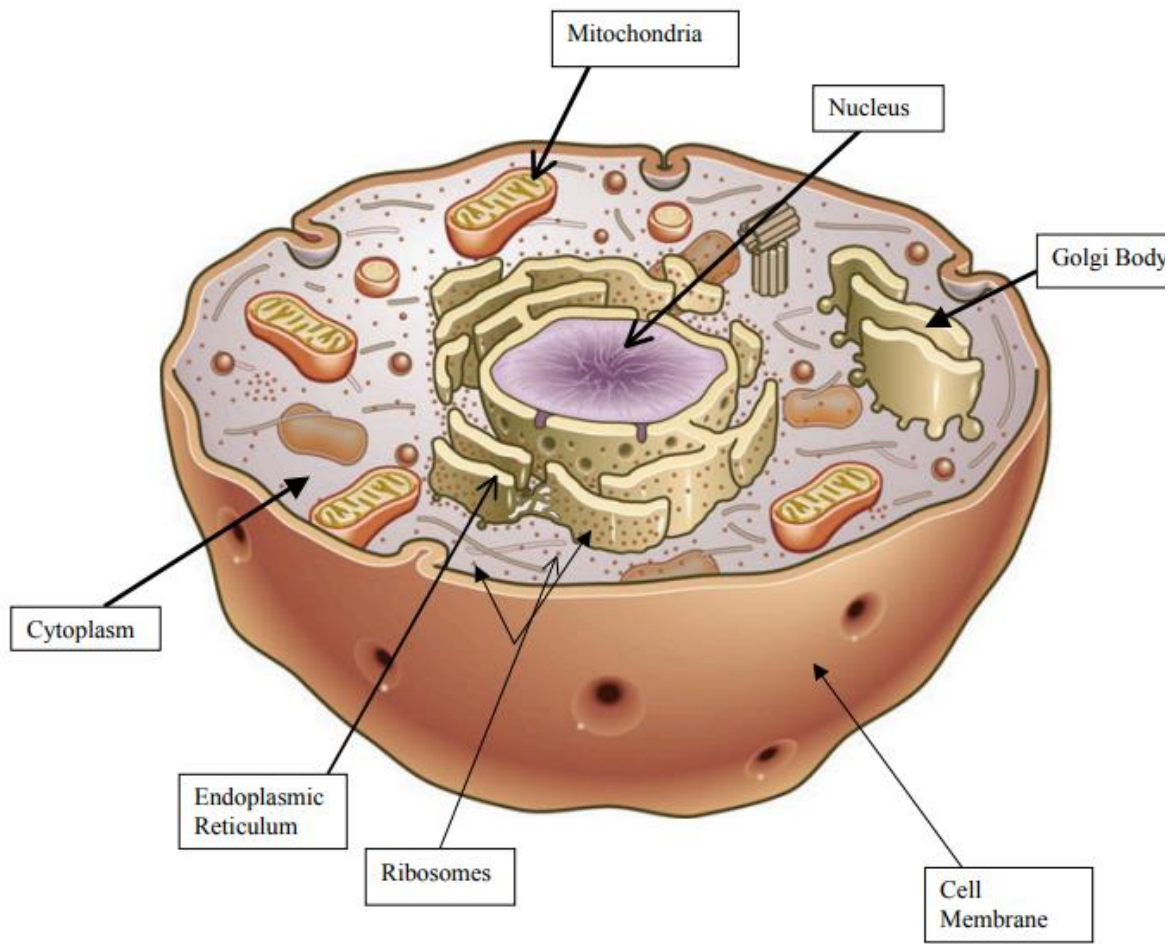
Smooth Endoplasmic Reticulum: Produces Lipids

Rough E.R.: Where ribosomes live & make proteins

Ribosomes: Make proteins.

Golgi Apparatus: Packages, labels, sorts & ships proteins where they need to go.

Prokaryotic	Eukaryotic
Bacteria	Plant, Animal, & Fungi
No Nucleus	Have Nucleus



Plant cell:

