

# Mitochondria

The powerhouse of the cell. Converts food to useable energy for the cell during the process of respiration

# Cell Membrane

Acts as a barrier or fence around the cell. Regulates what enters and leaves the cell.

# Endoplasmic Reticulum

Acts as an assembly line for lipid components of the cell membrane as well as proteins and other materials that are exported from the cell

# Golgi complex

Packages material from the endoplasmic reticulum for storage inside the cell or for export out of the cell

# Lysosome

The cleanup and recycling center of the cell. Filled with enzymes to remove cell waste and to break down large molecules for use by the cell

# ○ Chloroplast

Found only in plant cells. The site of photosynthesis. Contains chlorophyll, a light absorbing pigment.

# Vacuoles

Storage containers for the cell. In plant cells, a large vacuole stores water. Vacuoles can also store proteins, carbohydrates, and salts.

# Cell wall

Found in plants, algae, fungi and bacteria, cell walls provide support and protection for the cell

# ○ Ribosomes

Proteins are synthesized (made) on the ribosome

# Cytoplasm

The portion of the cell outside the nucleus. Contains the liquid "goo" in which the other cell organelles are suspended.