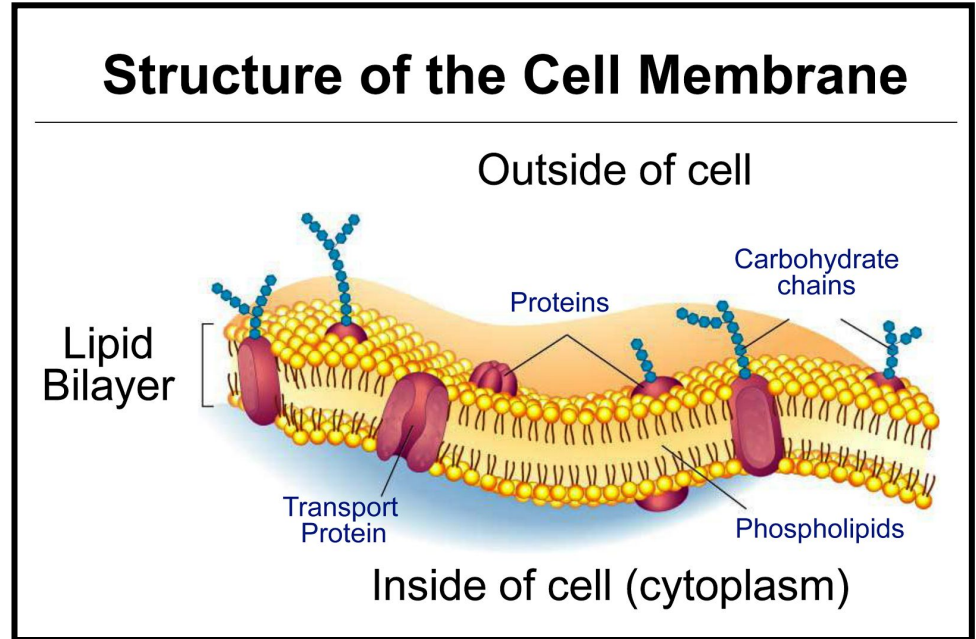


# CELL PARTS AND ORGANELLES

# CELL PARTS AND ORGANELLES

Cell membrane:

- Acts as a: **boundary layer**
- Is constructed of: **proteins and a phospholipid bilayer**
- Is selectively permeable to: **chemicals**
- Controls: **molecule transport into and out of the cell**

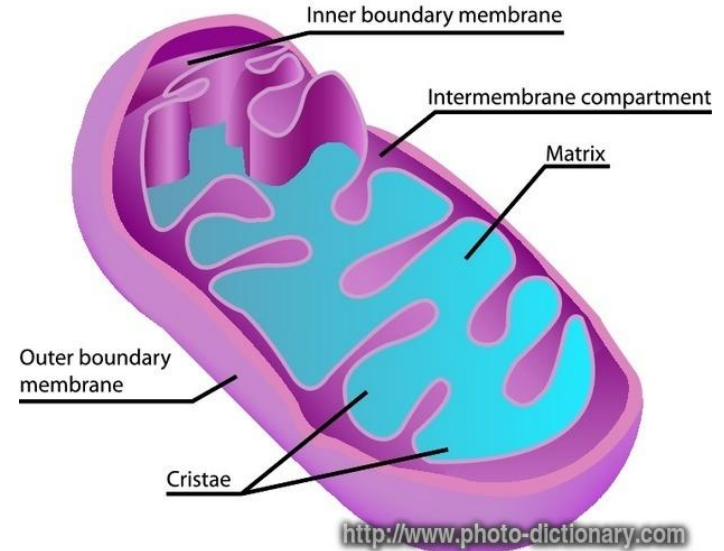


# CELL PARTS AND ORGANELLES

## Mitochondria:

- Takes in and breaks down: **nutrients**
- Creates: **ATP (energy)**
- Has an inner membrane that is folded into: **cristae**
- Cristae increase: **surface area**
- Cristae enhance: **ability to produce ATP**

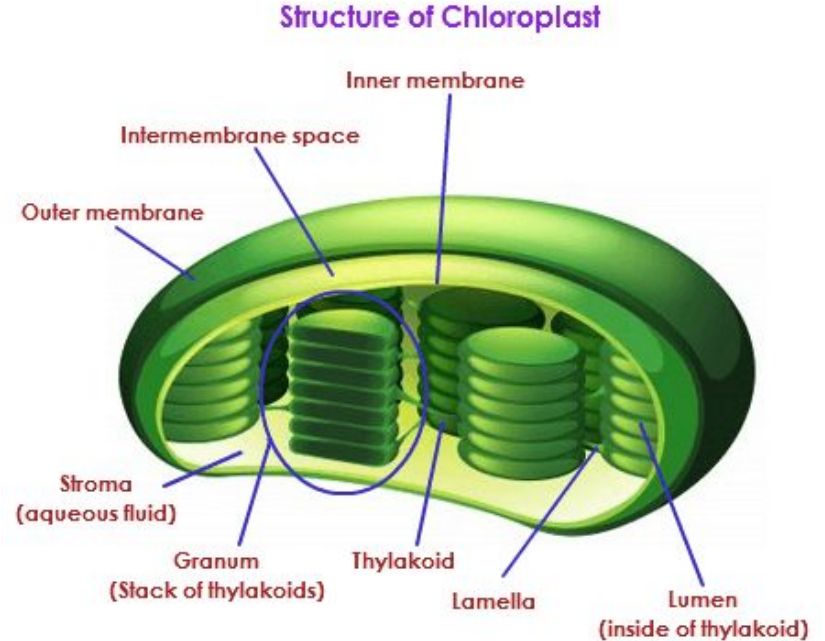
## Mitochondrion



# CELL PARTS AND ORGANELLES

Chloroplasts:

1. Produce: **food**
2. Complete a process known as:  
**photosynthesis**
3. Contain: **chlorophyll**



# CELL PARTS AND ORGANELLES

Cell wall:

- a. Is a secretion of: **the cell membrane**
- b. Provides: **protection**
- c. With the vacuole, provides:  
**structural support**
- d. Is made of: **cellulose**

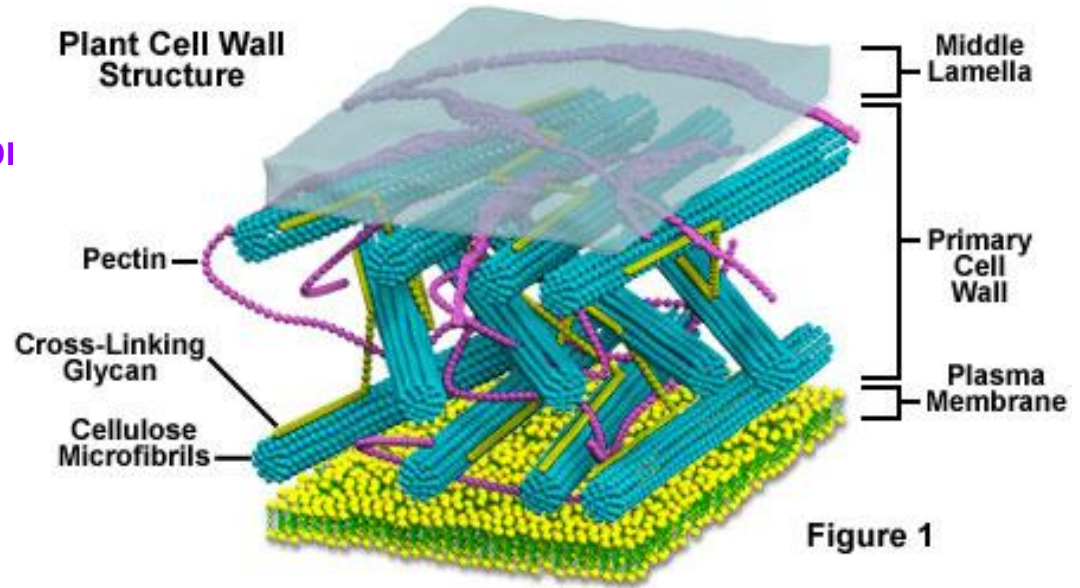


Figure 1

# CELL PARTS AND ORGANELLES

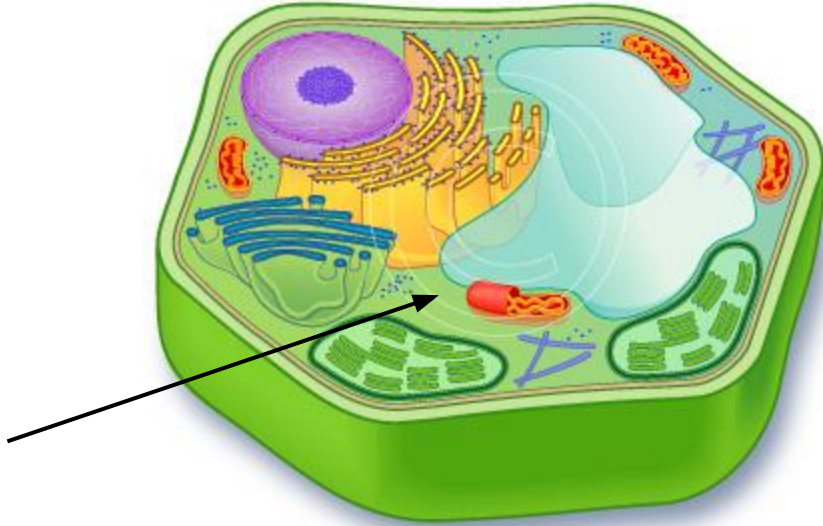
Cytoplasm:

- a. Contains all of the: organelles
- b. Is the site of: chemical reactions



A large red square with a white border, centered on a white background. Inside the square, the text "Cell Organelle Quick Flips" is written in white, bold, sans-serif font.

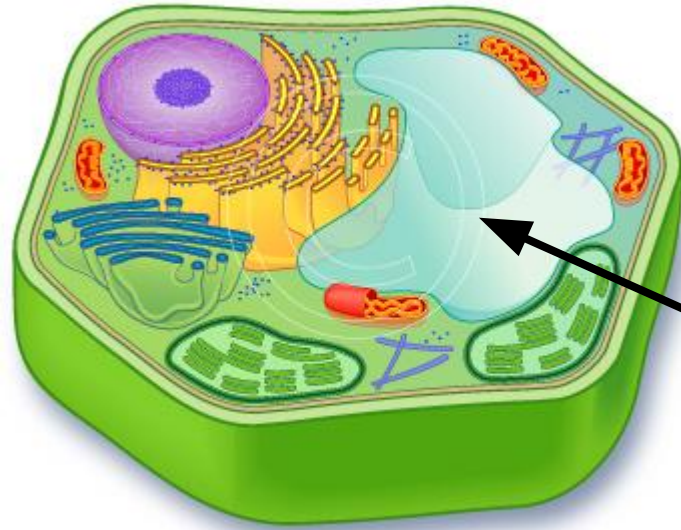
# Cell Organelle Quick Flips



Function: Site of chemical reactions.

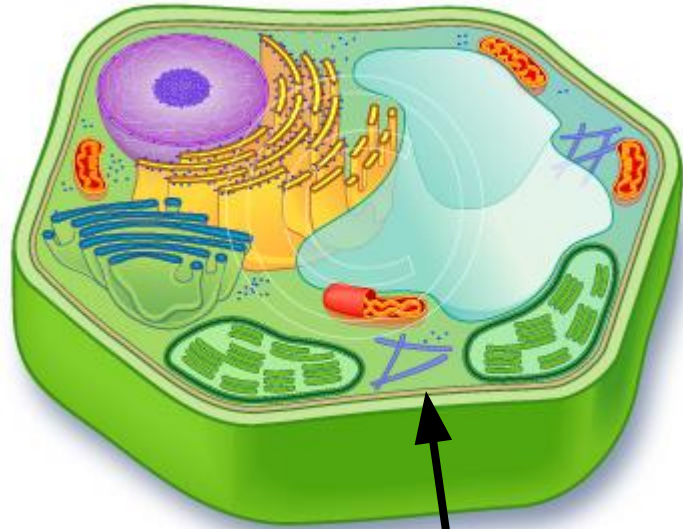


Cytoplasm



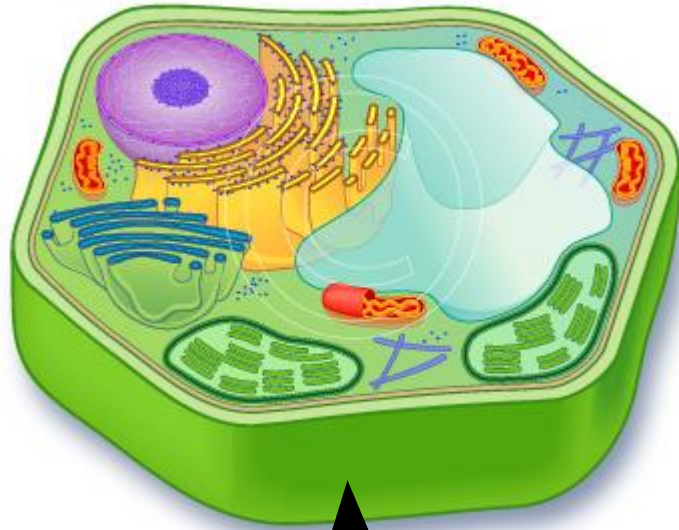
Function: Storage

Vacuole



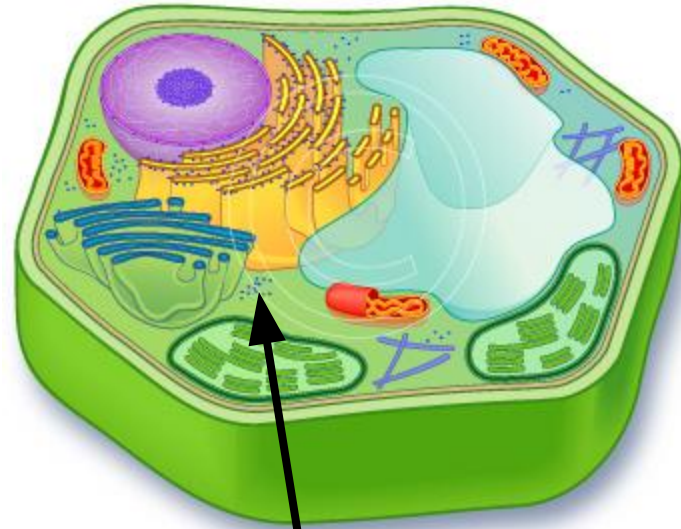
Function: Controls what enters and leaves

# Cell Membrane



Function: Protection and support

Cell Wall

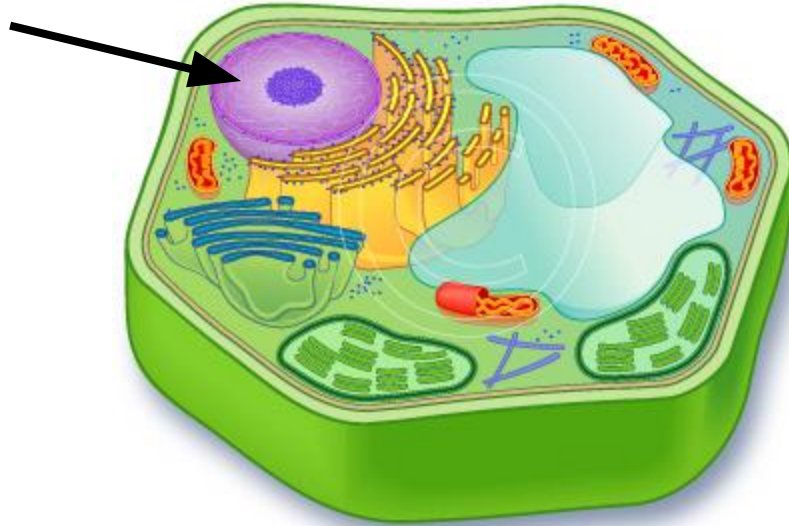


Function: Makes proteins

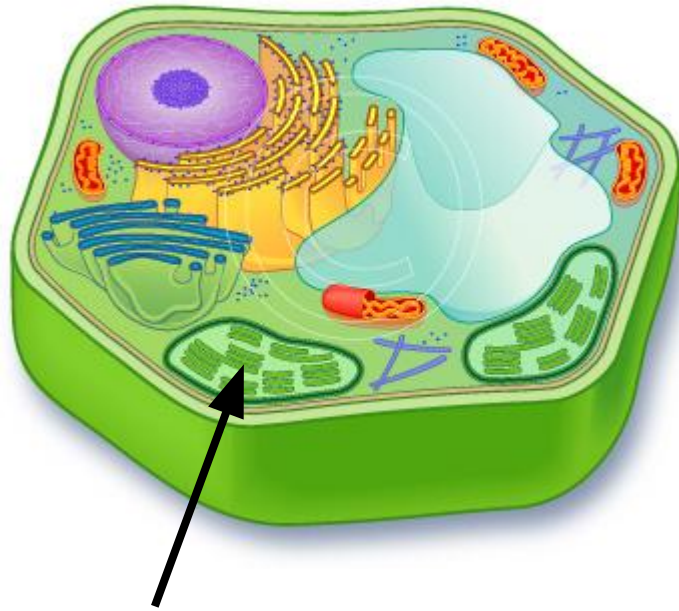


Ribosomes

Function: contains  
the instructions for  
the cell

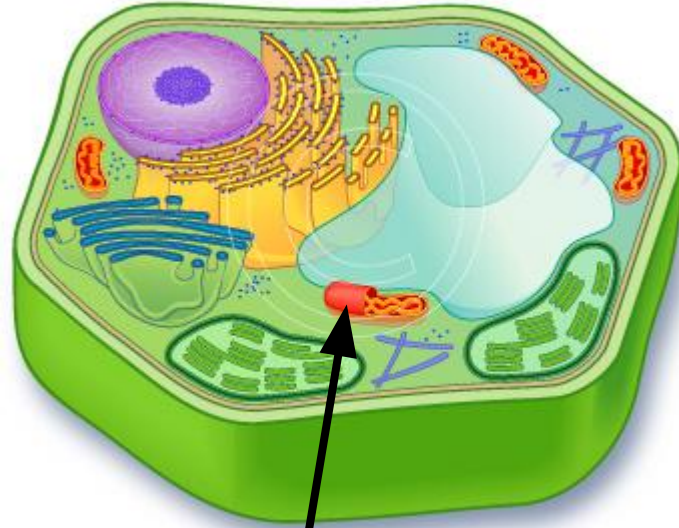


Nucleus



Function: Photosynthesis. Creates food (sugar) for the cell.

# Chloroplasts



Function: turns sugar into energy for the cell.

Mitochondria