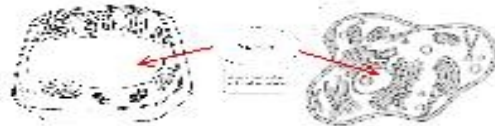


## Plant and Animal Cells

Cut out the organelles, and functions below, then sort and glue them to the diagrams on the next page or draw your own.

Draw an arrow to organelles that are in both a plant and animal cell.  
Add color to your diagrams and give the final product in your notebook.



Stores area for food, water and waste products	Produces proteins	Vacuole	Golgi Body (apparatus)
Breaks down large food molecules into smaller particles	Directs the cells activities and contains DNA	Lysosome	Ribosomes
Captures energy from sunlight and produces sugar in plant cells	Receives and transports materials to other parts of the cell	Chloroplast	Nucleus
The tough, outer layer of plant cells	Releases stored energy by breaking down sugars	Mitochondria	Endoplasmic Reticulum
The gel-like fluid found inside the cell	The protective layer that encloses all cells	Cytoplasm	Cell membrane
Processes and packages proteins and other materials made by the cell		Cell Wall	

After completing the activity, answer these questions in your notebook.

1. Compare either the plant cell or animal cell to our school. Which organelle would be the principal, teacher, cafeteria worker etc.? Explain.
2. Organelles work together to obtain energy, reproduce and maintain homeostasis. Predict what would happen if one of the organelles was removed. How would that affect the function of the cell?