**Animal cell and Plant Cell Organelles**

Organelles common to all Eukaryotic cells (Protists, Animal cells, and Plant cells)

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objective 10: I can describe the \_\_\_\_\_ of an Animal cell and a Plant cell.**

* Animal cells: are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shaped
* Plant cells: are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shaped

**Objective 11: I can identify and explain the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in Plant Cell and Animal cells**

* **Vacuoles**

Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Animal cells have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_small vacuoles,
* Plant Cells have one\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ large vacuole
* **Cell Membrane**

Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the cell and movement of materials in and out of the cell.



* **Nucleus/Nucleolus**

Nucleus function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the cell, contains chromosomes which control cell growth and reproduction

Nucleolus function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **Golgi Body (Golgi Apparatus)**

Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and materials from the endoplasmic reticulum and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the cell or outside of the cell.

* **Mitochondria**

Function: site of cellular respiration which \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the cell. The cells “power house”

* **Ribosomes – free or bound**

Function: makes proteins

* **Endoplasmic Reticulum**
* Rough and Smooth function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ throughout the cell
* Rough endoplasmic reticulum has\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ attached.
* ER (Endoplasmic Reticulum) is located near the \_\_\_\_\_\_\_\_\_\_\_\_
* **Lysosomes – Animal cells ONLY**

Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Contains enzymes that break down the food for the mitochondria
* Digests old cell parts
* **Chloroplasts – Plant Cells ONLY**

Function: Site of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the cell.



* **Cell Wall – Plant Cells ONLY**

Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the cell and helps the cell keep its shape.

**Objective 12: I can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Animal and Plant Cells**

 Plant Cell Only Found in Both cells Animal Cell Only