Cell Organelles Guided Notes – **I DO –** Right Side

* We will compare organelles in two types of eukaryotic cells –\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_cells and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_cells.
* Organelles are found throughout both types of cells. They perform various \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_within each of these cells.
* **\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Controls what \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the cell
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Helps cell maintain cell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Nucleus**
* Surrounded by a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_with pores
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* Can be attached to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or can be free (unattached) in the cytoplasm
* **Rough Endoplasmic Reticulum (ER)**
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of membrane proteins and transport vesicles
* **Smooth Endoplasmic Reticulum (ER)**
* Synthesis of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and responsible for detoxification
* \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Modify, sort, & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_molecules from the ER for storage or transport out of the cell
* **Mitochondria**
* Generate cellular energy (ATP) through \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Lysosome**
* Contain digestive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Vacuole**
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_filled sacks for storage
* **\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and protects the cell
* **Chloroplast**
* Use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_from sunlight to make own food (glucose)