***CELL STRUCTURE AND FUNCTION***

* ***ALL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ things are made up of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.***
  + ***They include the nucleus, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, cell membrane, and organelles, such as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, mitochondria, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and lysosomes***
* **All living things are grouped into \_\_\_\_\_\_\_\_\_\_\_ categories:**
  + **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
  + **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* ***EUKARYOTE***
  + **Eukaryotes are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, animal, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells that contain a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
  + **The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a large structure \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the cell that contains the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
  + **It also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ many functions in the \_\_\_\_\_\_\_\_\_\_\_\_\_.**
* ***PROKARYOTE***
  + **In prokaryotic cells, the cells \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ contain a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* ***ANIMAL AND PLANT CELLS HAVE SOME STRUCTURES IN COMMON.***
* **Each type of cell has a \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a thin structure that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the cell. It \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ what can come \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ of the cell.**
* **Also found in both cells is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the thick fluid inside the cell membrane that gives the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Plant and animal cells have many \_\_\_\_\_\_\_\_\_\_\_\_ structures in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Organelle means “\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”**
* **CELL ORGANELLES**
* **Ribosomes are organelles that make \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. They can be \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or attached to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_(ER) is a network of \_\_\_\_\_\_\_\_\_\_\_ that move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from one part of the cell to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **The ER makes parts of the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and helps make \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Proteins made in the \_\_\_\_\_\_\_\_\_ move into the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. These proteins are modified and sent to their \_\_\_\_\_\_\_\_\_\_\_\_\_ destinations by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are organelles that are filled with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that break down organelles that no longer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **They also break down \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ molecules into \_\_\_\_\_\_\_\_\_\_\_ molecules that can be used by the \_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **One molecule that is needed by the cell is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used by \_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_mitochondria to make \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for all cell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inside the cell is performed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **They are sac-like and store \_\_\_\_\_\_\_\_\_\_\_\_\_\_, salts, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and carbohydrates.**
* **Animal cells have \_\_\_\_\_\_\_\_\_\_\_\_\_\_ vacuoles**
* **Plant cells usually have one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vacuole**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are organelles in plant cells that can \_\_\_\_\_\_\_\_\_\_\_\_\_ the energy from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ takes place in the organelle**
* **Chloroplasts contain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a pigment that gives plants their \_\_\_\_\_\_\_\_\_\_\_\_ color.**