**DO NOW:**

1. What is the function of the cytoplasm?
2. Name 2 organelles found only in plants:
3. What process happens in the mitochondria?
4. Amino acids are the building blocks of….
5. What type of biological molecule are all enzymes?
6. What are the building blocks of carbohydrates?
7. What numbers on the pH scale are basic?
8. What can starch be broken down into?
9. What is the job of the cell membrane?

**Passive Transport:**

* Movement across the membrane that does \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Diffusion:**

* The movement of substances from a \_\_\_\_\_\_\_\_\_\_\_\_ concentration to a \_\_\_\_\_\_\_\_\_\_\_\_ concentration
* Moving from where there is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of something to where there is \_\_\_\_\_\_\_\_\_\_\_\_\_\_of something
* Molecules will move across the membrane until the concentration is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on both sides of the membrane
* Molecules will diffuse until they are in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Osmosis:**

* The diffusion of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Water flowing from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ concentration

**Onion (Plant) Cells:**

* When an onion cell is placed in a salt water solution, water will **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* The cell membrane will **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** as water leaves the cytoplasm
* THE CELL WALL WILL **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Regular -------------> In salt water ------------> In distilled water (100% H2O)

**Active Transport:**

* Movement from a \_\_\_\_\_\_\_\_ concentration to a \_\_\_\_\_\_\_\_\_\_\_\_\_ concentration
* From where there is \_\_\_\_\_\_\_\_\_\_\_\_\_ to where there is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is required!!!!
* “Against the concentration\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_”

**Cell Membrane:**

* The cell membrane is the organelle that controls what enters and leaves the cell
* “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_”

Permeable-

Permeable (can pass through)-

NOT permeable (cannot pass through)-