**\*GO TO THE FOLLOWING WEBSITE FOR EXTRA INFORMATION IN ORDER TO COMPLETE THE WEBQUEST** [**http://www.biologycorner.com/bio1/notes\_diffusion.html**](http://www.biologycorner.com/bio1/notes_diffusion.html)

Define **Diffusion**:

Define **Equilibrium**:

Define **Concentration Gradient**:

Molecules will always move \_\_\_\_\_\_\_\_\_\_\_\_ the concentration gradient from areas of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ concentration to areas of \_\_\_\_\_\_\_\_\_\_\_\_\_ concentration.

**VIDEO CLIP ONE - DIFFUSION:** [**https://www.youtube.com/watch?v=VY0mZUDvbH4**](https://www.youtube.com/watch?v=VY0mZUDvbH4)

Molecules are in constant motion due to their \_\_\_\_\_\_\_\_\_\_\_\_ energy.

What happens when a lump of sugar is added to the water?

**VIDEO CLIP TWO – ARE YOU THIRSTY?:** <https://www.youtube.com/watch?v=TvA7PdWCSDs>

Why does salt make you thirsty?

**VIDEO CLIP THREE – HYPOTONIC, HYPERTONIC, AND ISOTONIC SOLUTIONS:**[**https://www.youtube.com/watch?v=6MWl3DCa2uM**](https://www.youtube.com/watch?v=6MWl3DCa2uM) 

A solution with 25% sugar has \_\_\_\_\_\_\_% water. So a solution of 50% sugar has \_\_\_\_% water.  
  
Beaker A is a \_\_\_\_\_\_\_\_\_ solution. Beaker B is a \_\_\_\_\_\_\_\_\_\_ solution. Beaker C is a \_\_\_\_\_\_\_\_\_  
solution.

**VIDEO CLIP FOUR – ACTIVE AND PASSIVE TRANSPORT** <https://www.youtube.com/watch?v=1DtgI7k1l9s>

Is facilitated diffusion active or passive transport?

Define **endocytosis**:

**Phagocytosis** is an example of endocytosis. Phagocytosis is:

**Pinocytosis** is another example of endocytosis. Pinocytosis is:

Define **exocytosis**:

**VIDEO CLIP FIVE – SNAILS:** Watch the following clip of salt on a snail. <https://www.youtube.com/watch?v=XXVc7HXjRp8>

Explain what is happening to the snail:

**VIDEO CLIP SIX – GLOWING EGG:** Watch the following clip of how to make a glowing egg. <https://www.youtube.com/watch?v=rFls3g8v6fo>

What makes the egg glow?

Why is the egg without the shell bigger than an egg with a shell?

What happens when they break the egg?

**VIRTUAL LAB**: Go to <http://www.discoveryeducation.com/> and login. Your username is wcp(insert student # here) and your password is your student #. Click on assignments and click on the one entitled “Diffusion”

Record your data here: