

Diffusion Lab Make-up

Name _____

Go to the following website and answer the questions as you go through the activity

http://www.phschool.com/science/biology_place/labbench/lab1/intro.html

1. What is diffusion? Give an example of diffusion.
2. What is osmosis? Click on animate...Explain what is happening.
3. On the screen titled "A Closer Look: concentration gradient" click on animate and explain what is happening.
4. What is happening in a Hypertonic, hypotonic and isotonic solution?
5. Explain what water potential is.
6. Click on the animate button on the blood cell. Explain what is happening. What type of solution is this? (hypertonic, hypotonic)
7. Click on the animate button for the plant cell. Why didn't it burst like the animal cell?

This is the last screen you need to go through. Finish with the summary below.

8. In one paragraph, summarize osmosis and diffusion. Be sure to use the terms concentration, hypertonic, hypotonic, and isotonic.