**Name: Period: Date:**

**Focus Questions for Chapter 7.3-4 due Thursday, 11/14**

# Questions to answer as you watch the videos and/or read about active and passive transport. You will not be asked to turn these in, but Ms. Ransom may check to make sure you have completed them through a clicker quiz or short written response. You should be ready to discuss the answers during class.

1. Explain why substances diffuse down their concentration gradients.
2. How does osmosis relate to *solute* concentration?
3. Explain the water movement into/out of cells that are placed into each solution type:  
   1. Isotonic
   2. Hypertonic
   3. Hypotonic
4. What is **osmoregulation** and what methods do organisms have to control it?
5. Relate the terms **turgid**, **flaccid**, and **plasmolysis** to the water balance in plant cells.
6. What is facilitated diffusion? Give an example.
7. What is **membrane potential** and why is it important?
8. Explain the process of **cotransport**.

**Questions I have, that I plan to ask about in class:**