**Activity: Cell Membrane Transportation Demonstration**

**(Outcome 7 & 8)**

**Name:**

**Pre-Demonstration Questions**

**Directions:** Complete after you have either watched the set up to the demonstration in class or on the first demo video posted to the classroom website.

1. Explain how molecules move during passive diffusion.
2. Which has a higher concentration of starch, the baggie or the beaker?
3. Which has a higher concentration of iodine, the baggie or the beaker?
4. Which has a higher concentration of water, the baggie or the beaker?
5. Which is hypertonic for the iodine solution, the baggie or the beaker?
6. Which is hypertonic for the starch solution, the baggie or the beaker?
7. Which is hypotonic in relation to the starch, the baggie or the beaker?

**Post-Demonstration Questions:**

**Directions:** Complete after either seeing the results in class or by watching the 2nd demonstration video posted on the classroom website.

1. What is the difference between active and passive transportation? Which is being shown in the demonstration. Justify your answer.
2. Which substance(s) are permeable to the membrane (baggie)?
3. Is the membrane (baggie) semi-permeable? Justify your answer.