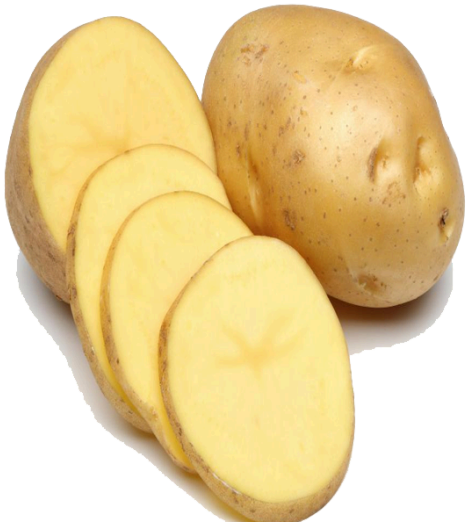
Name:_____

# Investigation: The Effect of Salt on a Potato

**What do you think will happen if you soak a potato in salt water overnight?**



## Pre Lab Discussion:

1. Consider what you know about osmosis and transport across the membrane and **PREDICT** what will happen to potato slices soaked in salt water. Describe your predictions below.

2. If you are going to place potato slices in salt water, what do you need to set up as your **CONTROL**?

## Procedure and Data Collection:

☐ Use a scale to weigh your potato slices in grams.

Mass of Potato Slice 1 _____ Mass of Potato Slice 2 _____

☐ Place potato slice 1 in a cup of salt water, place potato slice 2 in a cup of distilled water.

☐ Use a sharpie to label the cups as SALT or DI water and write your initials. **Let sit overnight.**

☐ Weigh each of the slices the next day.

Mass of Potato Slice 1 _____ Mass of Potato Slice 2 _____

## Analysis

3. **Describe what happened** to the mass of each slice (did it go up, down, or stay the same). Write in complete sentences.

4. Refer to your notes or your understanding about osmosis. **Explain WHY** you got these results. Write in complete and thoughtful sentences, use the back of this page, and include the following words in your explanation: osmosis, cells, solution