**Osmosis in Red Onion Lab**

Name:

Partner Name:

Period:

Date:

**Problem Statement: *Copy from lab packet***

**Hypothesis: *Create your own hypothesis based on the problem statement.***

**Variables: *Write down all variables. Hint: use the procedure to identify them***

**Groups: *Write down both groups. Hint: use the procedure to identify them***

**Procedure:**

1. Make a wet mount of a piece of red onion skin.
2. Follow standard microscope procedures.
3. Under high power make a diagram of a single cell as you see it. (use lab drawing rules). Add the following labels: large central vacuole, cytoplasm, nucleus, cell wall.
4. Add 10% sucrose solution by gradually dropping approximately 5 drops of sucrose on the slide to the side of the cover slip. “Pull” the solution through by placing a paper towel on the opposite side of the cover slip. Be careful not to make the slide too sloppy.
5. Wait 5 minutes and view. Make a second diagram of what you see in one cell and label it with the terms listed in step 3.
6. Add 7 or 8 drops of tap water to the slide on the side of the cover slip again and “pull” the water through with paper towel.

Wait 5 minutes and view. Make a third diagram and label the parts.