**Bubble Lab**

For the research section, talk about the physical properties of water (it’s more fascinating you’re you think), mixtures, the structure of salt and sugar, and how bubbles are formed. Feel free to add anything else that fits in this section. (My Ch. 15 water will be attached to help you out)

Purpose: To test whether or not bubble making can be affected by adding sugar or salt to a bubble-blowing mixture.

Materials:

* 3 plastic drinking cups - table sugar
* Measuring cups and spoons - table salt
* Liquid dish detergent - 3 drinking straws
* Water - goggles

Procedures

1. Label three drinking cups 1, 2, 3 or water, sugar and salt.
2. Use the measuring cup to add 2/3 cup of water to each drinking cup
3. Use the measuring spoon to add 1 teaspoon of liquid detergent to each cup. Mix well and clean up any spills to prevent slip and fall
4. Add a teaspoon of sugar to cup 2 and a teaspoon of salt in cup 3. Swirl for a minute
5. Dip a drinking straw into cup 1 and blow gently into the straw to make the largest bubble you can. Practice making these bubbles until you feel you have reasonable control over the bubble production.
6. Record your observations
7. Repeat steps 4 and 5 with cups 2 and 3.

Questions (note these are to help you with the conclusion, do NOT have your conclusion section in this form):

1. Did you observe any difference in your ability to produce bubbles throughout the three cups?
2. What can you conclude about the effects of table sugar and table salt in the bubble blowing mixture?
3. Please note any errors with your lab.