**Bubble Concentrations**

**OBJECTIVE:**

Find out which bubble recipe yields the best bubbles.

**TERMS TO GO OVER:**

Surface tension

**PRE-LAB DEMONSTRATION MATERIALS:**

* Water
* Toothpick
* Liquid soap
* Cup
* Pepper

**PRE-LAB DEMONSTRATION PROCEDURE:**

1. Pour water into a clean cup
2. Shake a little pepper onto the water
3. Dip the toothpick into the liquid soap
4. Dip the toothpick into the middle of the pepper

**WHAT IS HAPPENING?**

The surface water molecules are broken apart, sending the pepper to the side of the cup.

**LAB MATERIALS:**

* Water
* Liquid soap
* Food coloring
* Plate
* Permanent marker
* Old CD
* Straws
* Timer

**GROUP LEADER/VOLUNTEER/TLC ROLE**

Provide the solutions, help with timers

**SETUP PROCEDURE**

1. Mix bubble solutions water:liquid soap in beakers – green 3:1, yellow 1:1, red 1:3
2. Trace a CD on a plate with permanent marker

**LAB PROCEDURE**

Have the students blow a bubble in each solution as large as the circle on the plate and time how long it takes to pop. Then, make comparisons.