**PURPOSE:**

To design a super bubble mix

**TIMING:** 45 minutes

**MATERIALS:**

* Glycerol
* Detergent
* Water
* 250mL beaker
* 2x 10mL measuring cylinders
* Pipette
* Bubble blowing device (wire or pipe cleaner fine)

**PROCEDURE:**

1. Design a procedure to determine which combination of glycerol, detergent and water will produce the largest bubbles.
2. Write your procedure in your workbook, including a diagram of how you’re going to set up the equipment.
3. Before you start any practical work, assess your procedure.
   1. List any risks that your procedure might involve and how you can minimise those risks.
   2. Determine how you are going to record the results of your experiment.
   3. Show your procedure and risk assessment to your teacher. If they approve, then collect all the required materials and start work.

**RESULTS:**

Complete your table and graph your data

**DISCUSSION QUESTIONS:**

1. Was it difficult to collect data for this experiment?
2. What type of data did you collect?
3. Which mixture produced the largest bubbles?
4. Why do you think this happened?