

Name: \_\_\_\_\_

Date: \_\_\_\_\_



## “Don’t Burst My Bubble”



Mrs. Sheffield wants to know which Bubble Solution is the best. She has three different solutions to choose from. What should you do to determine which solution is the “best” one for blowing bubbles? What does “best” bubble solution mean to you: Do the bubbles last the longest? Are the bubbles the biggest? Are the bubbles the most colorful? Your task is to design an experiment to test these solutions and decide which one is the “best.”

So far you have been given the following materials:

- Bubble Solution A
- Bubble Solution B
- Bubble Solution C
- Bubble wand
- Drinking straw
- Ruler
- Stopwatch

You **do not** have to use all materials listed. Also, think carefully about what **other** tools or materials you may need to effectively conduct your experiment.

Create an experimental design plan to test these solutions. Include procedures, data collection plan and how you will control variables.