



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

**Subject:** Science/Chemistry

**Key Concepts:** experiments, data, comparison

## Make Your Own Bubble Solutions: Which is Best?

Watch the Wonderama Video on YouTube: [Gazillion Bubbles!](#)

*(If needed, use the video title to search for this video)*

Follow the directions below to make 3 types of bubble solution. Then, test and fill out the chart below to show which solution makes the longest lasting bubbles.

### What You Need:

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|--|---|
| <ul style="list-style-type: none"><li>• 3 containers to hold the solutions</li><li>• Measuring cups</li><li>• Measuring spoons</li><li>• Distilled water</li><li>• liquid dishwashing soap</li></ul> | <ul style="list-style-type: none"><li>• Small bottle of glycerin (available at a drugstore)</li><li>• Light corn syrup</li><li>• Pipe cleaners or a bubble wand</li><li>• Permanent marker</li><li>• Stopwatch or clock</li></ul> |
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### What to Do:

1. Use the permanent marker to label the containers. One container should say: “soap,” one should say “soap and glycerin” and one should say “soap and corn syrup.”
2. Use the ingredients and measurements listed below to make the 3 different solutions:

	Measurements		
Ingredients	Soap Only	Soap + Corn Syrup	Soap + Glycerin
Water	1 cup, plus 1 tbsp	1 cup	1 cup
Dish Soap	2 tablespoons	2 tablespoons	2 tablespoons
Glycerin		1 tablespoon	
Corn Syrup			1 tablespoon

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3. After putting all of the ingredients for a solution into its container, use a spoon to mix them together.
4. Use a bubble wand or make a bubble wand with a pipe cleaner: Bend the top half of the pipe cleaner into a circle and twist it around the pipe cleaner.
5. Test your bubble solutions: Blow a bubble with each type of solution and catch it on your wand. Use the stopwatch or clock to time how long each bubble lasts. (you may need to try a few times to catch the bubble).
6. Write down how long each bubble lasted in the table below:

Solution	Time Bubble Lasted
Soap Only	
Soap and Corn Syrup	
Soap and Glycerin	

Solution with the longest lasting bubble: \_\_\_\_\_