

## Student Instructions for Testing the Mystery Goo

1. Set up your materials. Use the side of the test mat with the unlabeled circles. Cover it with wax paper.
2. Using one of your measuring spoons, put a sample of the goo inside the compare circle.



3. With your partner, decide which test you want to do first. Use the marker to write the test's name on the wax paper above one of the circles. Also record the test's name in the "What I Did" column of **Record Sheet 13-A**.



4. Put a sample of the goo in the circle you have just marked. Test the goo. Record your observations in the “What Happened” column of the record sheet.

5. Decide on another test. Then repeat Steps 3 and 4.

6. Continue testing and using the information in your notebooks until you think you know which of the five unknowns the goo contains. Fill in the “What I Think It Is” box on the record sheet. Then write in at least two reasons in the “Why I Think So” box.

**Record Sheet 13-A**

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

My Partner's Name: \_\_\_\_\_

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

**Mystery Goo Test Results Table**

What I Did	What Happened
What I Think It Is	Why I Think So (Give two or more reasons)

**Extension 1**  
**Logic Problem**

Raoul's chemical dissolves in water and bubbles when vinegar is added.

Paula's chemical does not mix well with water and does not bubble when vinegar is added.

Wendy's chemical dissolves in water and has no odor.

	<b>Green Unknown</b>	<b>Yellow Unknown</b>	<b>Blue Unknown</b>
Raoul			
Paula			
Wendy			