

Lumpy Liquids

Section: Basics of Chemical Reactions

Name: _____

Date: _____

Inquiry Question

Write down what you'll be learning today! What do you want to understand?

Procedure

1. Add 1/2 cup water and 1 tsp. of powdered laundry detergent to a plastic cup and stir to dissolve.
2. In a second cup, add 2 tbsp. warm water and 1 tbsp. Epsom salt, and stir to dissolve.
3. Add 3 drops of food coloring to the second cup containing the Epsom salts.
4. Using the eye dropper, take up some of the colored Epsom salt solution. Submerge the tip of the full eye dropper in the detergent solution.
5. While observing from the side, slowly squeeze the colored Epsom salt solution out of the eye dropper and into the detergent solution. What do you see?

Observations, Data Collection & Analysis

Write down your observations below.

1. Draw a picture and describe both the Epsom salt and laundry powder solutions.

2. Make a prediction: what will happen when you add one solution to the other?

3. As you complete step 5, document your observations. What do you see? Why might this be happening?

4. Do you think there was a chemical change, physical change, or both in this activity? How do you know? Provide evidence for your answer.
