

Name _____ Suspensions, Solutions and Chemical Reactions

Hypothesis: Compare and contrast a suspension and a solution.

Materials: 3 small beakers, 1 large beaker, three stir sticks, baking powder, baking soda, flour, water

Lab Safety:

Procedure:

1. Pick up materials from teacher.
2. Fill large beaker with water.
3. Pick up flour, baking powder and baking soda from the teacher in the small beakers.
4. Add water to each beaker and **IMMEDIATELY** take observations of each in the table below.

| Substance | Observation 1 |
|---------------|---------------|
| Flour | |
| Baking Soda | |
| Baking Powder | |

5. Mix the substances with the water and after 2 minutes record your observations in the table below.

| Substance | Observation 2 |
|---------------|---------------|
| Flour | |
| Baking Soda | |
| Baking Powder | |

Questions:

1. Which one is the solution? Explain your reasoning _____

2. Which one is the suspension? Explain your reasoning _____

3. Which one is the chemical reaction? Explain your reasoning _____

4. Based on your observations, what conclusions can you describe about the appearance of the substances and their respective behavior when mixed with water? _____

