

Does It Mix? Experiment Instructions 🧪

Objective:
Test different solids and liquids to observe how they interact with water—both at room temperature and when the water is heated.

Materials:

- 2 clear cups or containers (for each material)
- Room temperature water
- Hot water (handled safely by an adult)
- Measuring spoons
- Stirring sticks or plastic spoons
- Solids: salt, sugar, flour, rice, baking soda
- Liquid: cooking oil
- "Does It Mix?" Data Chart
- Pencil

Procedure:

1. Prepare your testing station. Label two cups for each material: one for room temperature water, one for hot water.

2. Add water. Fill one cup with room temp water. Have your teacher add hot water to the other cup.

3. Test the first material (e.g., salt). Add 1 spoonful to the room temp cup. Stir. Observe. Repeat in the hot water cup.

4. Record your observations using your data chart.

5. Repeat for each material: sugar, flour, rice, baking soda, and oil.

What to Look For: - Does it dissolve? - Does it float or sink? - Any difference between hot and cold water? - Does it stay the same or change?	**Safety Reminders:** - Only adults should handle hot water. - Don't taste or touch the materials. - Clean up your area when finished.