



TESTING THE SOLUBILITY OF DIFFERENT SUBSTANCES IN WATER

QUESTION: How soluble are different substances in water?



HYPOTHESIS: Write your prediction.



PROCEDURE:

1. Label each cup with the name of a substance.
2. Add 1/2 cup (120 mL) of water to each cup.
3. Add 1 teaspoon of the substance to the corresponding cup.
4. Stir for 30 seconds.
5. Observe what happens.
6. Record your results in the table below.



MATERIALS:

- 6 clear cups or jars
- Water (room temperature)
- Measuring spoons
- Stirring spoon
- Substances to test (examples):
 - Table salt
 - Sugar
 - Baking soda
 - Sand
 - Flour
 - Vegetable oil



RESULTS:

Substance	What happened when you stirred?	Did it dissolve? (Yes / No)	If no, what was left in the water?	How clear or cloudy is the water? (Clear / Cloudy)
Table salt				
Sugar				
Baking soda				
Sand				
Flour				
Vegetable oil				



OBSERVATIONS:

What patterns do you notice?



CONCLUSION:

What did you learn from this experiment?



SAFETY FIRST!

Do not taste any of the substances. Wash your hands after the experiment.