

Is it soluble?

Aim: To investigate the solubility of different substances.

Equipment:

Test-tubes

Spatula

Test-tube rack

Samples of salt, sugar, flour, coffee, sand, copper sulphate, copper carbonate.

Procedure:

1. Half-fill each of the test tubes with cold water.
 2. Label the test tubes: salt, sugar, flour, and so on.
 3. Use a spatula to add a very small amount of each substance to its labelled test tube. Do not use more than a quarter of a spatula full.
 4. Hold each test tube up to the light. Decide whether the mixture is clear or cloudy. Record your results in the table.
 5. Decide whether each mixture is soluble or insoluble. Record this in the table.

Conclusion:

1. Which of the substances dissolved in water?
 2. How can you tell if a substance has dissolved?
 3. How can you tell that a substance has not dissolved?
 4. Which substance dissolved the best? Can you tell?