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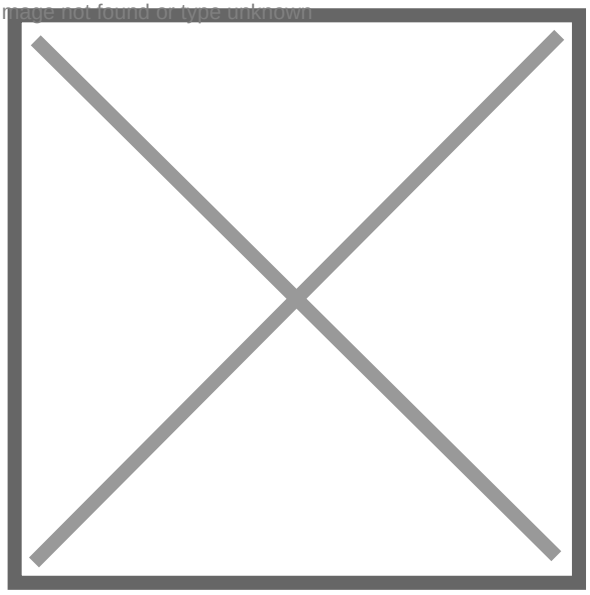
Product Name :

Mini Science Kit – Dissolving and Changes

Product Code :

SLE/CH/157

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Description :

Mini Science Kit – Dissolving and Changes (Product Code: SLE/CH/157) is a topic kit about what happens when materials are mixed, dissolved, heated or separated again. Pupils investigate what makes a solid dissolve more quickly, how temperature affects dissolving, which changes occur on mixing, how evaporation works and how dirty water can be cleaned. Made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, it serves as an introductory solubility experiment kit for school science lessons on reversible and irreversible changes.

Key Details

Parameter	Detail
Type	Mini science kit (topic kit)
Topic	Dissolving, mixing and changing materials
Processes studied	Dissolving rate, effect of temperature, mixing, evaporation, cleaning water
Activities	Seven activities, listed below
Suitable for	Group investigations on changes of materials

Activities performed with this kit:

- What makes a solid dissolve more quickly?
- What changes occur when materials are mixed?
- Changing materials
- Cleaning water
- Evaporation
- Temperature and the effects on dissolving
- Mixing materials

Typical Use

A common starting point is the dissolving-speed challenge: groups predict whether stirring, crushing the solid or warming the water will make it disappear faster, then change one factor at a time and time the result. The temperature activity builds on this by comparing the same solid in cooler and warmer water. Pupils then mix different materials, sort the changes they see into those that can be reversed and those that cannot, and leave a solution to evaporate so they can recover the dissolved solid.

The cleaning-water activity shows how settling and filtering remove visible particles – a simple taste of what a full water purification science kit explores in more depth. Remind pupils that filtered classroom water is still not safe to drink. Use warm tap water rather than boiling water for the temperature tests, and label every container so results are not mixed up between groups.

Manufacturer

Jain Scientific Equipments Private Limited, which does business as ScienceLab from its base in Ambala, Haryana, manufactures this kit as part of its range of topic kits for schools. You can learn about

Rela