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Product Name :

Acid Rain, Weathering & Erosion

Product Code :

SLE/CH/02



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Description :

Acid Rain, Weathering & Erosion (Product Code: SLE/CH/02) is a classroom activity kit inwhich student groups expose naturally occurring and construction materials to an acidicenvironment and compare them with the same materials kept in ‘normal’ rain, represented by tapwater. It links chemistry with environmental studies by showing how acidity speeds up weatheringand erosion. The kit is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,as an environmental science kit for schools that want a structured, group-based practical.

Key Details

Parameter	Detail
Type	Student activity kit
Topic	Effect of acid rain on weathering and erosion of natural and man-made surfaces
Activity	Naturally occurring and construction materials exposed to an acidic environment
Comparison	Same materials exposed to ‘normal’ rain (tap water)
Teaching material	Teacher’s manual and student copy masters included
Class size	Sufficient materials for 15 groups

Typical Use

Acid rain harms aquatic ecosystems and land areas, and it attacks both natural surfaces, such as the rock faces of mountainous regions, and man-made ones. Stones and metals used in buildings, statues and monuments can be affected, and the rate of weathering and erosion rises quickly as the rain becomes more acidic. This kit turns those ideas into an observation-based practical: each group sets up an acid sample and a tap-water control side by side, records the starting appearance of each material, and returns at intervals to note fizzing, dulling, pitting, colour change or loss of surface.

The student copy masters give a ready worksheet for recording observations, and the teacher’s manual supports planning and discussion. With materials for 15 groups, a full class can work in small teams at the same time, which makes it a practical chemistry experiment kit for middle and secondary classes studying environmental chemistry, rocks and corrosion. Follow the manual for handling the acid, have students wear eye protection and aprons, and keep the tap-water control untouched so the comparison stays fair.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is based in Ambala, Haryana, and supplies teaching kits and laboratory apparatus to schools and colleges. Find out more on the company profile.

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