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Product Name :

Environmental Chemistry: Acid Rain, Weathering & Erosion

Product Code :

SLE/CH/127



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Description :

Environmental Chemistry: Acid Rain, Weathering & Erosion (Product Code: SLE/CH/127) isa class activity kit in which students expose naturally occurring and construction materials to an acidic environment and compare them with matching samples left in ‘normal’ rain, represented by tap water. With sufficient materials for 15 groups plus a teacher’s manual and student copy masters, it gives teachers a ready-made environmental science kit for school chemistry, geography and environmental studies lessons. The kit is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Key Details

Parameter	Detail
Type	Environmental chemistry activity kit
Investigation	Natural and construction materials in an acidic environment compared with tap water (‘normal’ rain)
Group capacity	Sufficient materials for 15 groups
Teaching material	Teacher’s manual and student copy masters
Topics covered	Acid rain, weathering, erosion, damage to natural and man-made surfaces

Typical Use

Acid rain can be devastating to aquatic ecosystems and to land, and it attacks not only natural surfaces such as the exposed rock of mountainous regions but also the stones and metals used in buildings, statues and monuments. In this activity each group sets up paired samples, one in the acidic solution and one in tap water, and then records what changes: fizzing, discolouration, pitting or crumbling of the surface. Because weathering and erosion speed up sharply as rain becomes more acidic, comparing the two sets gives students direct evidence for a process that normally takes years outdoors.

For a fair test, ask groups to note each sample’s appearance before the start and to keep the containers side by side at the same temperature. The results link naturally to lessons on acids and carbonates, to geography units on rock weathering, and to class discussions on why carved stone on older buildings wears away faster in polluted cities, making the kit a useful earth science kit in India as well as a chemistry resource.

Supplier

This activity kit is supplied by Jain Scientific Equipments Private Limited, which trades as ScienceLab and is based in Ambala, Haryana, India. For tender forms and vendor registration, the company’s details are GSTIN 06AAECJ8618A1ZT and LEI 3358004HRD1JIVXKYX49. Learn more in our company profile.

Related Chemistry Lab Equipment

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