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Product Name :

Acids, Bases And The pH Scale

Product Code :

SLE/CH/101



Science Lab
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Description :

Acids, Bases And The pH Scale (Product Code: SLE/CH/101) is a classroom lab activity kit used to teach the differences between acids and bases, the role of hydrogen and hydroxide ions and the meaning of the pH scale in secondary school chemistry. It holds enough materials for 15 groups, who test pH indicators, check household materials and identify four unknown clear solutions. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as a ready-to-teach acid base indicator kit.

Key Details

Parameter	Detail
Type	Classroom lab activity on acids, bases and pH
Learning objectives	Role of hydrogen and hydroxide ions in acids and bases; nature ofthe pH scale in relation to acid and base strength
Activities	Effects of acids and bases on several chemical pH indicators; pH of several common household materials; composition of four unknown clear solutions
Class size	Enough materials for 15 groups
Documentation	Teacher's manual and student copy masters included
Shelf life	Depends on the chemical, its grade and storage conditions; ask usfor the expiry date of the batch you are quoted
Product code	SLE/CH/101
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Acids, Bases and pH Scale Kit Used For?

The lesson builds in three steps. Groups first record the colour each indicator shows in known acids and bases, then apply those indicators to everyday household materials to place them on the pH scale, and finally combine their observations to deduce what each of the four unknown solutions is. Because the unknowns are clear, students cannot guess by appearance and must rely on evidence, so the final task is a good check of understanding.

Photocopy the student masters before class, set out one station per group, and make sure everyone wears eye protection when acids and bases are on the bench. To extend the lesson, add pH indicator paper or a pH meter so groups can compare indicator colours with a measured value. Departments that order from a lab chemicals supplier in India can list this kit with their other acid–base consumables so the practical is ready each term.

Supplier

This activity kit is supplied by **Jain Scientific Equipments Private Limited**, which trades as **ScienceLab** and is based in Ambala, Haryana, India. The company sources and supplies teach be quote comp