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Product Name :

Simple Gas Preparation Kit

Product Code :

SLE/CH/177



Description :

Simple Gas Preparation Kit (Product Code: SLE/CH/177) is a compact set for producing gases that can be collected over water, such as oxygen, hydrogen and carbon dioxide, in school chemistry practicals. Its plastic tank does double duty as the water trough during the experiment and, with its lid, as a storage box for every other component afterwards. For schools looking for tidy gas collection apparatus in India, the kit is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Purpose	Producing gases collected over water, e.g. oxygen, hydrogen and carbon dioxide
Trough and storage	Plastic tank with lid, which forms a storage box for the other components
Collection tubes	5 test tubes, 150 x 24mm, with stoppers
Gas generator parts	Test tube with side arm and one-hole stopper; thistle funnel
Other components	Test tube stand, special gas chimney shelf, delivery tube and tubing connector

Typical Use

The tank is filled with water and the gas chimney shelf is placed inside so that a water-filled test tube can stand inverted over it. Reactants go into the side-arm test tube, and the gas produced travels through the delivery tube and tubing connector, bubbling up through the shelf to displace water from the collecting tube. Once a tube is full, it is stoppered under water, lifted out and placed in the test tube stand, and the next tube is set up, so a group can collect several samples in one run.

Collected samples lend themselves to the standard identification tests: a glowing splint for oxygen, a lighted splint for hydrogen and limewater for carbon dioxide. The thistle funnel is useful when liquid reagent must be added to the generator during the reaction. Reagents are not part of the kit, so prepare them according to your practical guide and wear eye protection. When the lesson ends, rinse and dry the parts and pack them back into the tank, which keeps the set complete for the next class.

Manufacturer

ScienceLab kits such as this are produced by Jain Scientific Equipments Private Limited in Ambala, Haryana, a company focused on practical teaching apparatus for chemistry, physics and biology departments. The company profile describes the business in more detail.

Related Chemistry Lab Equipment

These