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Product Name :

Atom Activity Model

Product Code :

SLE/CH/04



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Description :

Atom Activity Model (Product Code: SLE/CH/04) is a transparent, durable plastic model thatlays out the structure of an atom — the nucleus, the protons, neutrons and electrons that make itup, and the electron layers around it — in a clear graphic form. Because it is transparent,teachers can place it on an overhead projector and show the whole class the same diagram whilethey build up an explanation. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as an atom model kit for chemistry and physical science lessons, among its school chemistry lab equipment in India and overseas.

Specifications

Parameter	Detail
Type	Graphic model of atomic structure
Components shown	Nucleus; protons, neutrons and electrons; electron layers
Material	Durable plastic, transparent
Projection	Suitable for use with an overhead projector
Dimensions	150 mm D x 25 mm H
Concepts supported	Atomic numbers, ionic and covalent bonding, electroneutrality, filling of electron layers, definition and calculation of ionic charge

Typical Use

Teachers typically begin with the nucleus, pointing out protons and neutrons and using the proton count to explain how the atomic number identifies an element, and then move outward through the electron layers so students can see the order in which the layers fill. Comparing the number of electrons with the number of protons demonstrates electroneutrality; discussing what happens when an electron is lost or gained then shows how an ion forms and how its charge is worked out. The same layout supports a comparison of ionic bonding, where electrons are transferred, with covalent bonding, where they are shared.

On an overhead projector the transparent body lets the whole class follow each step, which works well for introducing the topic before students attempt worksheet problems. As a chemistry teaching kit item it also suits small-group revision, where students take turns using the model to explain atoms and ions to each other. Store it flat and clean the plastic with a soft, dry cloth to keep it clear for projection.

Manufacturer

The model comes from Jain Scientific Equipments Private Limited, known by its trading name ScienceLab, an Ambala, Haryana company that develops teaching aids and laboratory apparatus. Read our company profile for more.

Related Chemistry Lab Equipment

Teac