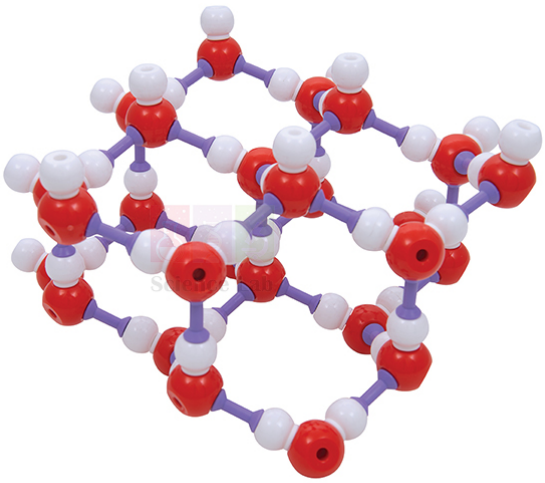
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Product Name :

Molecular Model, Ice

Product Code :

SLE/Mo/38



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Description :

Molecular Model, Ice (Product Code: SLE/Mo/38) is a self-assembly kit used to build the hydrogen-bonded crystal structure of ice for chemistry and physics teaching. Built from 26 water units, it lets students and teachers see the open arrangement of molecules that makes solidwater less dense than liquid water. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school chemistry lab equipment in India, at its ownfactory in Ambala, and works as a hands-on chemistry teaching kit for schools and colleges.

Specifications

Parameter	Detail
Structure modelled	Ice (solid water, hydrogen-bonded lattice)
Kit type	Self-assembly kit
Building units	26 water units
Product code	SLE/Mo/38
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Ice Molecular Model Used For?

In ice, each water molecule is held to its neighbours by hydrogen bonds, which lock the molecules into an open, hexagonal pattern with a lot of empty space. Assembling the 26 water units shows students why ice floats, why water expands when it freezes and how hydrogen bonds between molecules differ from the covalent bonds inside each molecule.

The model also connects chemistry with physics and biology topics such as states of matter, density and the survival of pond life beneath a frozen surface. After building it, ask students to trace one water molecule and count the neighbours it is hydrogen-bonded to, then compare that open lattice with the closer packing of liquid water described in their textbook. It pairs well with a practical ice-melting experiment.

OEM Manufacturer

Jain Scientific Equipments Private Limited trades under the name ScienceLab and is the original equipment manufacturer of this ice structure kit. It is produced at the company's own licensed factory at Saha, Ambala, Haryana, India, and dispatched factory-direct to schools, colleges, institutions, dealers and importers. For extra kits in a later term, contact the manufacturer directly for a fresh quotation. Company background is on the ScienceLab profile page.

Related Molecular Models

These items fit the same lessons on water, bonding and states of matter:

- Ice Melting Kit — a practical on changes of state that the ice model explains at particle level.
- [illegible]
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