Email : sales@scilabexport.com
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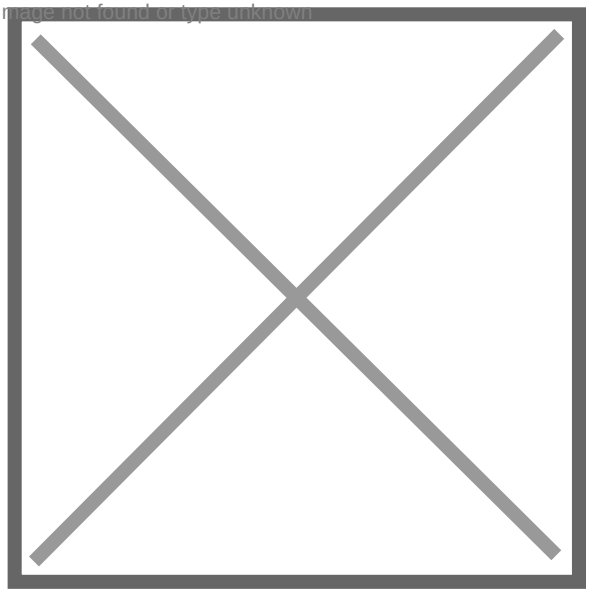
Product Name :

Ionization Energies of the Elements

Product Code :

SCI-401/167

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Description :

Ionization Energies of the Elements (Product Code: SCI-401/167) is a laminated wall chart used to teach how much energy is needed to remove electrons from atoms of different elements, in senior-school and college chemistry classrooms and laboratories. The 70 cm x 100 cm format keeps on display a periodic trend that students otherwise meet only as a table in a textbook. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and laboratory instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Topic	Ionization energies of the elements
Size	70 cm x 100 cm
Surface	Laminated
Format	Wall-mounted chart
Setting	Classrooms and laboratories
Product code	SCI-401/167
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Ionization Energy Chart Used For?

The first ionization energy is the energy required to remove the outermost electron from each atom in a mole of gaseous atoms. It generally increases across a period, as nuclear charge rises and atoms become smaller, and decreases down a group, as the outer electron sits further from the nucleus and is shielded by inner shells. Noble gases appear at the peaks of the trend and alkali metals at the troughs.

Teachers use the chart to explain why metals lose electrons easily and form positive ions, to discuss the small dips between beryllium and boron or between nitrogen and oxygen as evidence for sub-shells, and to show how successive ionization energies reveal the number of outer electrons. It is best displayed next to the periodic table so that the two can be compared directly.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM that manufactures the Ionization Energies of the Elements chart at its own licensed factory at Saha, Ambala, Haryana, India. Advanced chemistry charts like this one are supplied factory-direct to higher-secondary schools, colleges, dealers and importers, with quotations issued by the manufacturer itself. The ScienceLab profile explains more about the company.

Related Laboratory Equipment

Chart

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