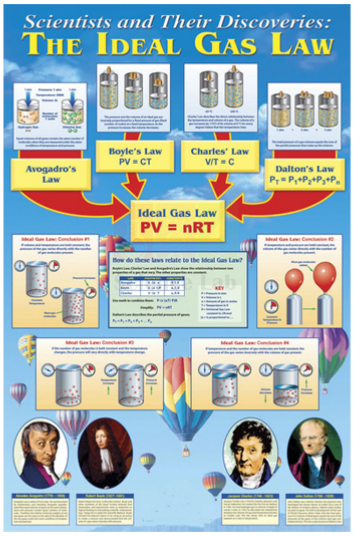
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Product Name :

Gas Laws Poster

Product Code :

SLE/CH/168



Science Lab
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Description :

Gas Laws Poster (Product Code: SLE/CH/168) introduces the laws discovered by some of the giants of chemistry. Graphic illustrations show how gases behave in different environments, and students can see how Boyle's Law, Avogadro's Law and Charles' Law combine to form the Ideal Gas Law, as well as the importance of Dalton's Law of partial pressures. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, it is a chemistry teaching poster for classrooms and laboratories where gas behaviour is taught.

Key Details

Parameter	Detail
Type	Wall poster (teaching aid)
Laws illustrated	Boyle's Law, Charles' Law, Avogadro's Law, the Ideal Gas Law, Dalton's Law of partial pressures
Presentation	Graphic illustrations of how gases behave in different environments
Learning levels	Younger students meet the core contributors to chemistry and physics; advanced students study how each law contributes to understanding gas behaviour
Subjects	Chemistry and physics

Typical Use

Displayed in a chemistry or physics room, the poster gives students a constant visual reference while they work through the gas laws. Teachers can walk the class through the relationships one at a time: Boyle's Law links pressure and volume at constant temperature, Charles' Law links volume and temperature at constant pressure, and Avogadro's Law links volume and the amount of gas. Bringing the three together leads to the Ideal Gas Law, often written PV = nRT, while Dalton's Law explains that the total pressure of a gas mixture is the sum of the partial pressures of its components – an idea students meet again in breathing, diving and weather.

For younger classes, the poster is a way to get to know the scientists behind the laws; advanced students can use it to check how each law fits into the overall model of gas behaviour. Pairing it with a Boyle's law apparatus lets students collect their own pressure–volume data and compare it with the relationship shown on the wall.

Manufacturer

The Gas Laws Poster is produced by Jain Scientific Equipments Private Limited in Ambala, Haryana. Operating as ScienceLab, the company makes charts, models and apparatus for school and college science teaching – see our company profile.

Related Laboratory Equipment

Apparatus and displays that go with gas-law lessons:

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