

IB Physics Topic B3 Gas Laws; SL & HL

By timthedev07, M25 Cohort

Table of Contents

1	Pressure	1
1.1	Avogadro's Number and the Mole	1
1.2	Molar Mass	1
2	Gas Laws	2
2.1	Boyle's Law	2
2.2	Charles' Law	2
2.3	Gay-Lussac's Law	2
2.4	Avogadro's Law	2
2.5	The Ideal Gas Law	2
3	Microscopic Model of Gases	3
4	Kinetic Model of Ideal Gases	4
4.1	Temperature	4
4.2	Ideal vs. Real Gases	4

1 Pressure

1.1 Avogadro's Number and the Mole

1.2 Molar Mass

2 Gas Laws

2.1 Boyle's Law

2.2 Charles' Law

2.3 Gay-Lussac's Law

2.4 Avogadro's Law

2.5 The Ideal Gas Law

3 Microscopic Model of Gases

4 Kinetic Model of Ideal Gases

4.1 Temperature

4.2 Ideal vs. Real Gases