

Question 5

A gas that follows Boyle's law, Charles law and Avogadro's law are called an ideal gas. Under what conditions a real gas would behave ideally?

Solution:

All gases are not ideal gas. Real gas doesn't obey the gas law at normal temperature and pressure condition. A gas behaves ideally under two conditions these are –

- (i) the volume of the molecule of a gas is negligible as compared to its complete volume.
- (ii) There is no attraction force between the gases.