

6.9 Density and the Molar Mass of Gases (Video)

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Video Topics

The ideal gas law equation can be manipulated to show the relationship between the density of a gas and the molecular weight of the gas. The equation is $d = MP/RT$, d is the density of the gas in g/L, M is the molar mass of the gas in g/mol, P is pressure of the gas in ATM and R is the gas law constant. The equation shows that as the density of gas increases as the molar mass increases. This videos contains a sample calculation using this equation.

Link to Video

Density and the Molar Mass of Gases: <https://youtu.be/gnkGBsvUFVk>



Attribution

- Prof. Steven Farmer ([Sonoma State University](#))

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