Cheatography

Chemistry equations Cheat Sheet

by Elliedhesi via cheatography.com/58811/cs/18870/

Ionisation energy

$X^{(n-1)+}(g) \rightarrow X^{n+}(g) + e^-$

For the n^{th} ionisation energy

Number of particles

Number of moles × Avogadro's constant (6.022×10^{23})

Number of moles

Mass of substance (g) / Mr

Concentration (mol dm^{-3}) × Volume (dm^3)

Ideal gas equation

$pV = nRT$

p=pressure (Pa)
V=volume (m^3)
n=number of moles
R=8.31 J K^{-1} mol^{-1}
T=temperature (K)

Arrhenius Equation

$$k = Ae^{-\frac{E_a}{RT}}$$

By **Elliedhesi**
cheatography.com/elliedhesi/

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