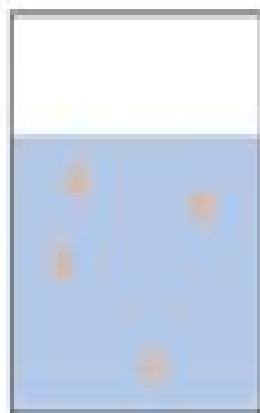


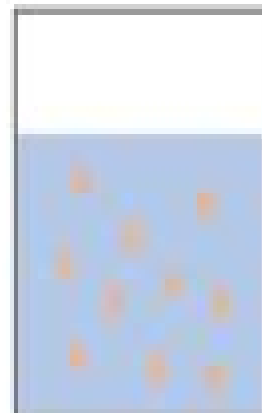
# Concentrations of Solutions

$$c = n / V$$

$$\text{mol/dm}^3$$



less concentrated/  
dilute



more concentrated

$$c = m / V$$

$$\text{g/dm}^3$$

What is the concentration if 0.5 moles of hydrochloric acid, HCl, are dissolved in 10 dm<sup>3</sup> of water?

$$c = 0.5 \text{ mol} / 10 \text{ dm}^3 = \boxed{0.05 \text{ mol/dm}^3}$$

$$c = 0.05 \text{ mol/dm}^3 \times 36.5 \text{ g/mol} = \boxed{1.8 \text{ g/dm}^3}$$



# Concentration Of Solutions Holt Chemistry

**William Ramsay**



## Concentration Of Solutions Holt Chemistry:

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