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Chemistry

For the IB Diploma

> Chapter 16

How much? The amount of chemical change

> Molecule ratios

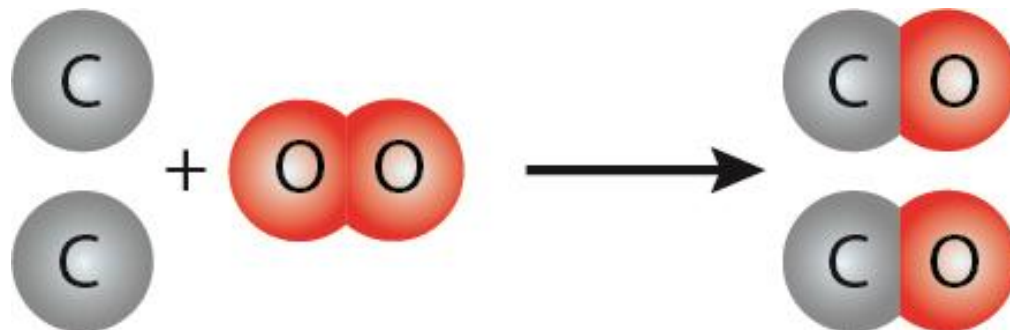


Figure 16.1: Two carbon atoms react with one oxygen molecule to form two molecules of carbon monoxide.

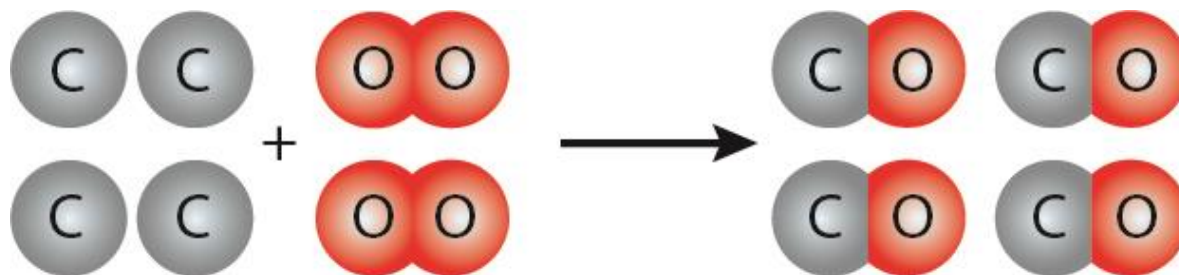


Figure 16.2: Four carbon atoms react with two oxygen molecules to form four molecules of carbon monoxide.

➤ The three stoichiometry triangles for calculations

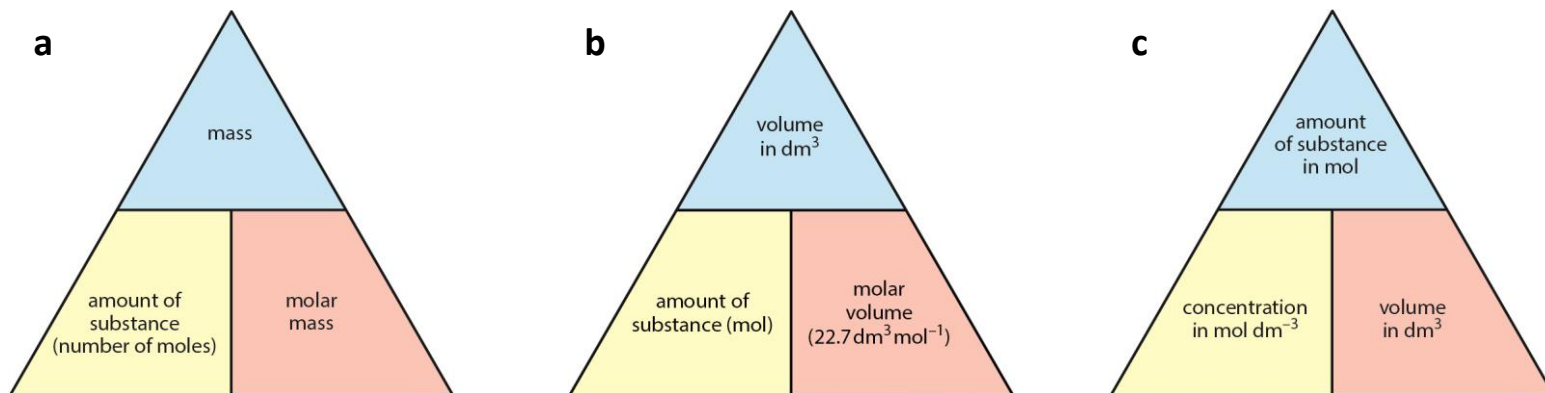


Figure 16.3: **a** The relationship between the mass of a substance, the number of moles and molar mass. **b** The relationship between the number of moles of a gas and its volume at STP. **c** The relationship between concentration, number of moles and volume of solution.

> Back titration method

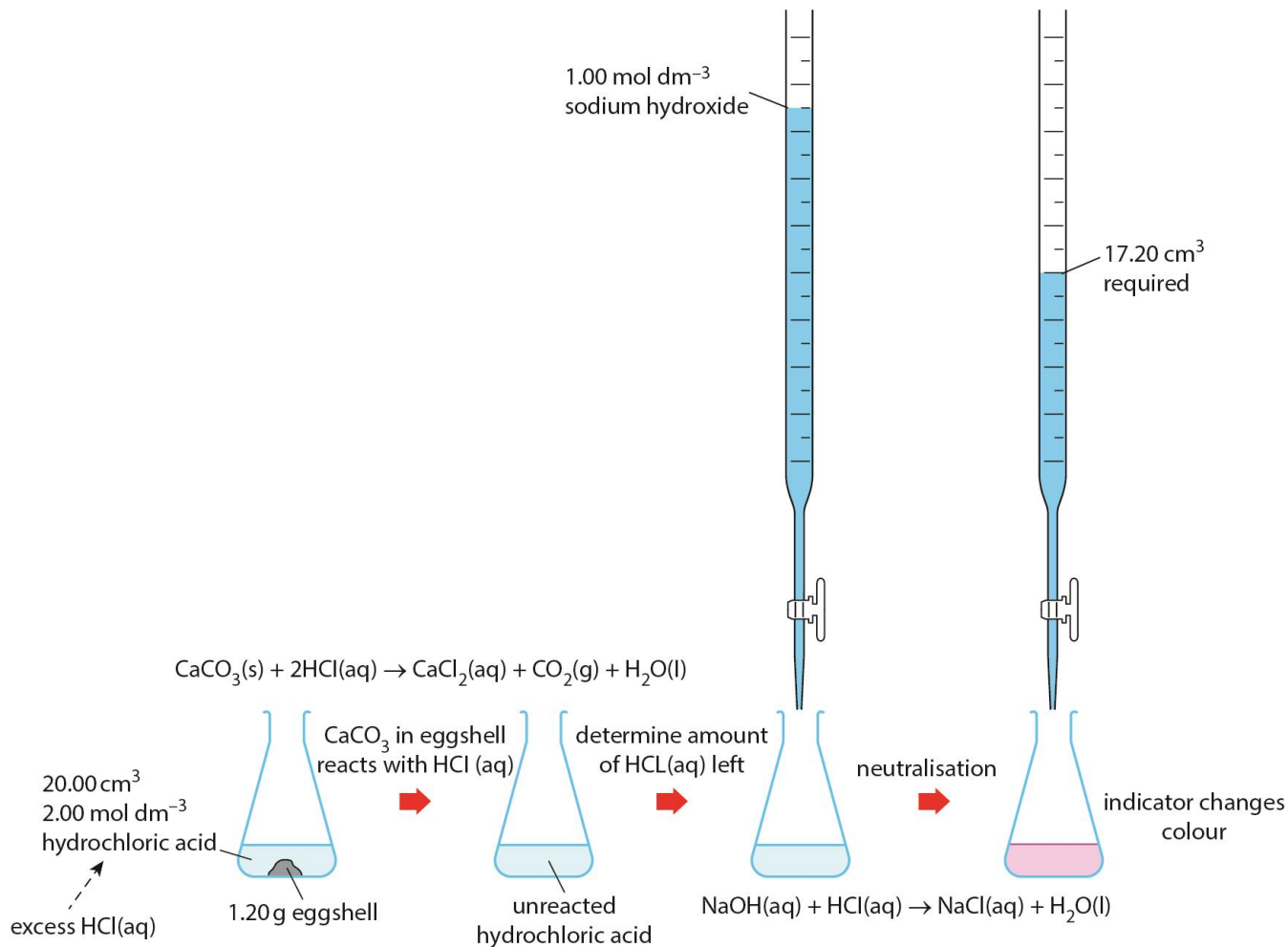


Figure 16.4: Back titration set-up.