

Redox reactions

Pre-lesson assignment – Textbook p. 372-375

You may wish to revise Y12 Redox reactions – p.48-51

Define the following terms

- Reduction and oxidation (in terms of electron transfer)
- Reduction and oxidation (in terms of oxidation number)
- Oxidising agent
- Reducing agent

Make notes on redox reactions

1. Use summary Q 1 on p.375 to demonstrate which species are oxidised and which are reduced, using oxidation numbers, and identify the oxidising and reducing agents in each case.
2. Explain how a redox equation can be written using half equations. Use the worked example on p.373 as a guide. Summary question 2 can be used as practice.