

A-Level Chemistry

Chapter 6: Electrochemistry

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November 24, 2024

1 Redox processes: Electron transfer and changes in oxidation number (oxidation states)

- Identify the oxidising and reducing agents, by reference to electron transfer and change oxidation number
- Oxidation number/state : Number given to an atom or ion in a compound describing how oxidised or reduced it is. Oxidation states must be written accompanied by either a "+" or a "-" sign.
- Use change of oxidation number to balance a chemical equations given the species in an chemical equations.
- Disproportionation reaction : A redox reaction in which the same species undergoes oxidation and reduction simultaneously.