

6 Reversible reactions and redox — Part 2

— Answers

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Work through these after trying the questions yourself.

6.1 $\rightleftharpoons$.

6.2 It loses water (dehydration); the white solid is anhydrous copper(II) sulfate.

6.3 Add water — it turns blue again; this is a test for water.

6.4 Oxidation Is Loss (of electrons), Reduction Is Gain.

6.5 It is itself reduced (it gains the electrons).

6.6 Zinc is **oxidised** (it loses electrons). The copper ions (Cu^{2+}) are the **oxidising agent** (they take the electrons and are reduced to copper).