

4 Electrolysis – Part 1 — Answers

Answers

Work through these after trying the questions yourself.

4.1 Only then are the ions free to move and carry the charge; in a solid the ions are locked in place.

4.2 (a) the anode \ (b) the cathode.

4.3 (a) a metal or hydrogen \ (b) a non-metal (other than hydrogen).

4.4 (a) lead \ (b) bromine.

4.5 Reduction.

4.6 (a) aluminium at the cathode; (b) oxygen at the anode. The aluminium ions are **reduced** (they gain electrons) at the cathode.