



1. What is electrolysis?
2. Why is recycling metals such as aluminium more sustainable than removing new aluminium from the Earth ?
3. What substances would be produced at the electrodes when
  - a. Molten sodium chloride is used as an electrolyte?
  - b. Dissolved sodium chloride is used as an electrolyte?
  - c. Solid sodium chloride is used as an electrolyte?
4. Why is cryolite added to aluminium oxide before electrolysis takes place?
5. What is the half equation for the reaction that takes place at the cathode in the electrolysis of aluminium oxide?
6. What is produced at the electrodes when magnesium sulphate solution is used as an electrolyte?