CC10 Electrolytic Processes

Topic Progression Checklist

I know this → colour green	I'm not sure → colour yellow	I don't know this → colour red

Subtopics and Learning Objectives	Start	End
CC10a Electrolysis		
State the meaning of the term 'electrolyte'.		
Outline what happens during electrolysis.		
Explain the movement of the ions during electrolysis.		
H Write half equations for the reactions at the electrodes.		
H Explain the meaning of oxidation and reduction in terms of the movement of electrons.		
H State the electrodes at which oxidation and reduction occur.		
CC10b Products from Electrolysis		
Recall the products formed from the electrolysis of a variety of common compounds and solutions (copper chloride solution, sodium chloride solution, sodium sulfate solution, acidified water, molten lead bromide).		
Explain the formation of the products in the electrolysis of a variety of common compounds and solutions (copper chloride solution, sodium chloride solution, sodium sulfate solution, acidified water, molten lead bromide).		
Predict the products formed from the electrolysis of a molten, binary, ionic compound.		
Explain how the electrolysis of copper sulfate solution using copper electrodes can be used to purify copper.		