



SC16 Chemical cells and fuel cells

Personal learning checklist | 1 of 1

GCSE Edexcel Separate Sciences | Chemistry Paper 1

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

I can	Red	Amber	Green
Chemical cells			
Explain cell voltage, charge carriers and why discharge eventually stops.	☐	☐	☐
Compare rechargeable and non-rechargeable cells and evaluate choices for devices.	☐	☐	☐
Plan a fair investigation of electrode pairs and simple-cell voltage.	☐	☐	☐
Fuel cells			
Explain hydrogen–oxygen fuel-cell reactions, charge movement and continuing fuel supply.	☐	☐	☐
Evaluate fuel-cell benefits and limitations, including storage and whole-pathway emissions.	☐	☐	☐
Comparison calculations			
Calculate and compare efficiencies with clear system boundaries.	☐	☐	☐
Use energy, power and lifetime-cost data to choose an appropriate cell system.	☐	☐	☐

My next revision priority _____