

SC13 Transition metals, alloys and corrosion



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
Metals and uses			
Compare transition metals with Group 1, including density, melting points, coloured compounds and catalysts.	☐	☐	☐
Select copper, aluminium or gold for uses using property and cost evidence.	☐	☐	☐
Corrosion			
Explain corrosion as oxidation and plan a fair investigation of iron rusting.	☐	☐	☐
Compare barrier coatings, galvanising and sacrificial protection, including damaged coatings.	☐	☐	☐
Electroplating and alloys			
Describe electroplating apparatus, ion movement and electrode reactions.	☐	☐	☐
Explain electroplating controls and benefits using deposition and mass data.	☐	☐	☐
Explain why alloying changes hardness using particle arrangements.	☐	☐	☐
Compare alloy steels, brass, magnalium and gold alloys for suitable uses.	☐	☐	☐
Calculate alloy composition and use it to interpret property data.	☐	☐	☐

My next revision priority _____