



SC14 Quantitative analysis

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
Titration			
Describe safe titration apparatus and explain rinsing, bubbles and meniscus readings.	☐	☐	☐
Explain indicator choice, endpoint technique and concordant repeats.	☐	☐	☐
Calculate titres and means using suitable accurate results.	☐	☐	☐
Calculate molar concentrations, amounts and mass concentrations with correct volume units (Higher).	☐	☐	☐
Use titration results and balanced-equation ratios to calculate unknown concentrations (Higher).	☐	☐	☐
Yield and reaction choices			
Calculate actual, theoretical and percentage yields.	☐	☐	☐
Explain low yields and apparent yields above 100 percent.	☐	☐	☐
Explain and calculate atom economy using balanced equations.	☐	☐	☐
Evaluate reaction pathways using yield, atom economy, rate, costs and by-products (Higher).	☐	☐	☐
Use molar gas volume at stated room conditions with consistent units (Higher).	☐	☐	☐

My next revision priority _____