



SC23 Alcohols and carboxylic acids

Personal learning checklist | 1 of 1

GCSE Edexcel Separate Sciences | Chemistry Paper 2

Name _____ Class _____ Date _____

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

I can	Red	Amber	Green
Alcohols			
Name and draw methanol, ethanol, propanol and butanol and identify their functional group.	☐	☐	☐
Describe alcohol combustion, ethanol dehydration and oxidation to ethanoic acid.	☐	☐	☐
Alcohol calorimetry			
Plan safe, fair comparisons of alcohol combustion using spirit burners and water.	☐	☐	☐
Calculate water energy gain and combustion energy per gram or mole.	☐	☐	☐
Evaluate calorimetry results, heat losses, fuel evaporation and repeated measurements.	☐	☐	☐
Carboxylic acids			
Name and draw the first four carboxylic acids and identify the COOH group.	☐	☐	☐
Describe carboxylic-acid reactions with metals, alkalis and carbonates, including gas tests.	☐	☐	☐
Use functional groups to explain similar reactions within homologous series.	☐	☐	☐

My next revision priority _____