



SC22 Hydrocarbons

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
Hydrocarbon structures			
Name and draw the first four alkanes and use their general formula.	☐	☐	☐
Name and draw ethene, propene and butenes and explain unsaturation.	☐	☐	☐
Explain homologous series and predict shared reaction patterns.	☐	☐	☐
Hydrocarbon reactions			
Describe ethene's bromine addition and interpret the bromine-water test.	☐	☐	☐
Write combustion equations and distinguish complete and incomplete combustion.	☐	☐	☐
Ethanol production			
Describe glucose fermentation, yeast enzymes, anaerobic conditions and temperature effects.	☐	☐	☐
Explain safe fermentation apparatus and why ethanol concentration limits production.	☐	☐	☐
Explain fractional distillation of fermented ethanol and safe heating.	☐	☐	☐
Evaluate crop-based ethanol production using renewability, land use, separation energy and yield.	☐	☐	☐

My next revision priority _____