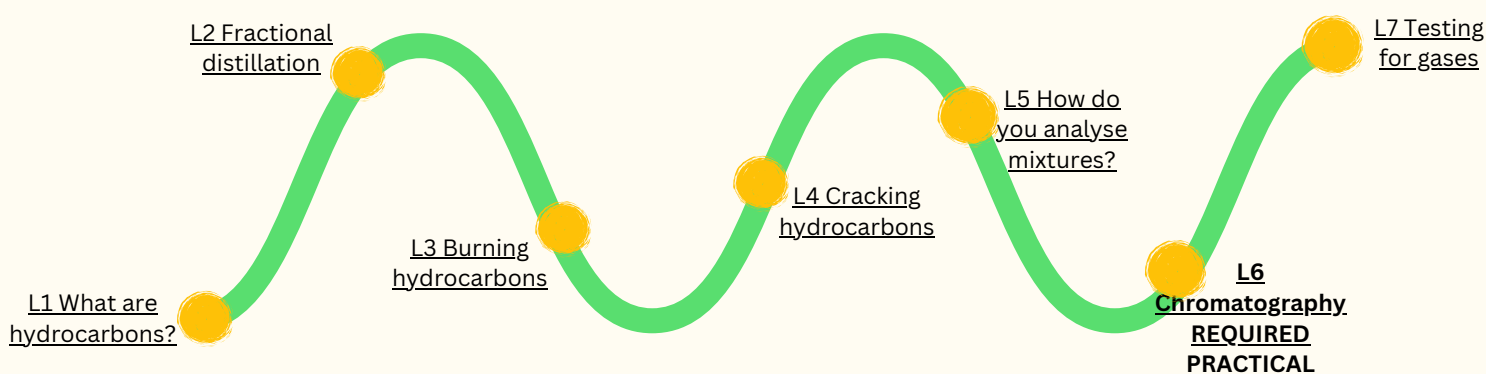


C7 Organic Chemistry & C8 Chemistry Paper 2 Chemical Analysis Combined

In this unit, you will learn about hydrocarbons like alkanes and alkenes, including their structure, properties, and reactions. You will study how crude oil is separated by fractional distillation and how it is used. The unit also covers key reactions such as combustion and cracking. You will explore pure substances, mixtures, and formulations, and learn how to identify gases and separate mixtures using tests and chromatography.



Key words

- alkane
- alkene
- cracking
- distillation
- double bond
- flammable
- fraction
- fractional distillation
- general formula
- hydrocarbon
- mixture
- oxidised
- thermal decomposition
- unsaturated hydrocarbon
- viscosity
- chromatogram
- formulation
- retention factor
- element
- compound
- mixture

Revision Resources

C7 Organic Chemistry

[Sample exam style questions](#)

[Cognito Topic 7 Organic Chemistry](#)

[BBC Organic Chemistry](#)

[Free Science Lessons](#)

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C8 Chemical Analysis

[Sample exam style questions](#)

[Cognito Topic 8 Chemical Analysis](#)

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[Chromatography Required Practical](#)