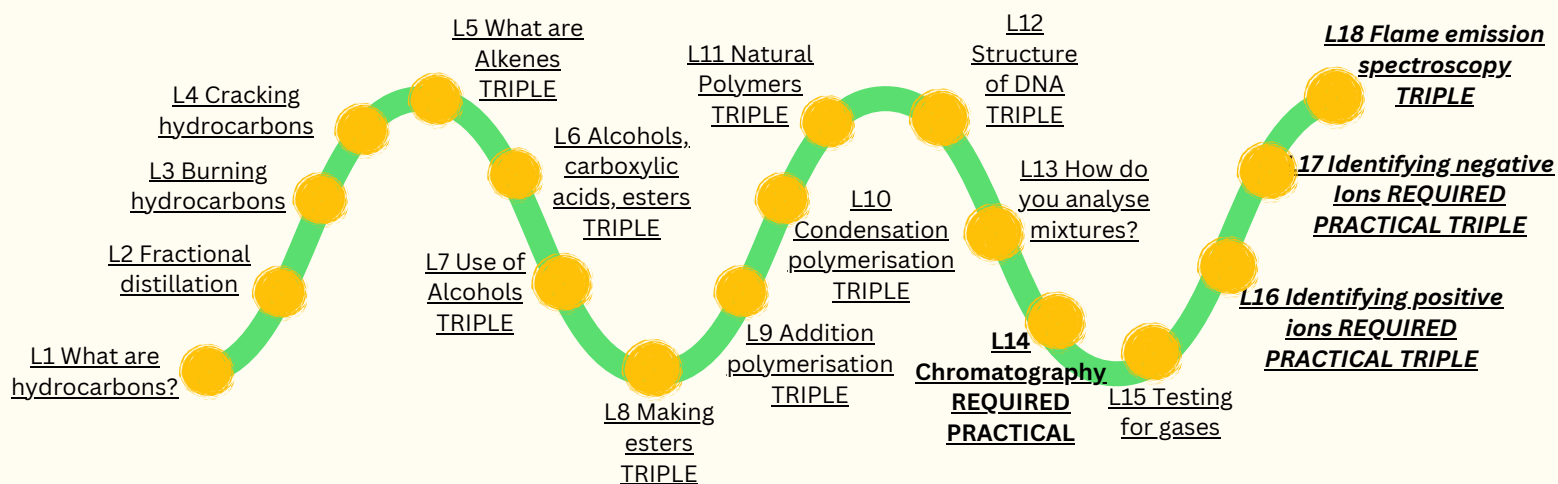


C7 Organic Chemistry & C8 Chemistry Chemical Analysis TRIPLE

Paper 2

In this unit, you will learn about the structure, properties, and reactions of hydrocarbons such as alkanes and alkenes, and how crude oil is separated and used. You'll study key reactions like combustion, cracking, and polymerisation, as well as the properties and production of alcohols, carboxylic acids, and esters. The unit also covers how to identify substances using qualitative and quantitative methods, including gas tests, flame tests, and instrumental techniques like flame emission spectroscopy.



Key words

- alkane
- alkene
- cracking
- distillation
- double bond
- flammable
- fraction
- fractional distillation
- general formula
- hydrocarbon
- mixture
- oxidised
- thermal decomposition
- unsaturated hydrocarbon
- viscosity
- fermentation
- functional group
- homologous series
- addition polymerisation
- DNA
- monomers
- nucleotides
- polymer
- chromatogram
- formulation
- retention factor
- element
- compound
- mixture
- cation
- anion
- flame test
- precipitate

Revision Resources

C7 Organic Chemistry

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C8 Chemical Analysis

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