

Keywords: Autumn 1

Chemistry

Topic Title: Organic Chemistry

Introduction to the topic: This topic is the foundation of organic chemistry – the chemistry of carbon compounds – and looks in detail at what materials we can get from crude oil.

What lessons will you cover during the topic?

Fractional distillation, alkanes, alkenes, crude oil, polymers.

Keyword	Definition
Alkane	A molecule with carbon-carbon single bonds.
Alkene	A molecule with at least one carbon-carbon double bond.
Hydrocarbon	A compound that contains hydrogen and carbon atoms only.
Crude Oil	A mixture containing different length hydrocarbons.
Fractional Distillation	A method of separating different hydrocarbons with different chain lengths.
Boiling Point	The temperature at which a chemical changes from a liquid to a gas or vice versa.
Viscosity	A measurement of thickness or how easily pourable something is.
Volatility	How likely it is that something will change from a liquid into a gas.