

Organic Chemistry- Combined.

Content	RAG
State what crude oil contains and how it was formed.	
State what a hydrocarbon is and what it means to be saturated	
State the general formula for an alkane and identify them from their name, formula or structure.	
State the names of the first four members of the homologous series of alkanes and represent their structure as molecular or displayed formula. Explain what a homologous series is	
Explain the process of fractional distillation of crude oil in terms of evaporation and condensation.	
Describe what a fraction is, state some common fuels and state the uses of fractions.	
Explain how the size of hydrocarbon molecules affect their boiling point, viscosity and flammability.	
Explain how the properties of a hydrocarbon affects its use as a fuel.	
Describe what happens during the combustion of a hydrocarbon and write balanced equations	
Describe cracking in general terms as an example of thermal decomposition.	
Describe in general terms the conditions for steam and catalytic cracking identifying the products completing equations	
Explain how to test for an alkene.	
Explain why cracking is used and give examples of alkenes to illustrate its usefulness.	

Text in italics = higher tier only.