

Y12 – Alkanes Checklist

Stick this checklist into your yellow book at the beginning of the topic. Tick off the topics as you cover them.		
In this module you are expected to be able to...	In Notes	Revised
<ul style="list-style-type: none">Define the terms<ul style="list-style-type: none">SaturatedUnsaturatedRadicalHomolytic fission		
<ul style="list-style-type: none">Recall the bond angle and shape of methane and therefore alkanes in general, and draw methane in 3D.		
<ul style="list-style-type: none">Explain why alkanes exhibit this shape in terms of electron pair repulsion.		
<ul style="list-style-type: none">Describe and explain the trend in boiling point of alkanes, including variation in length and number of branches.		
<ul style="list-style-type: none">Explain the low reactivity of alkanes with many common reagents in terms of bond enthalpy.		
<ul style="list-style-type: none">Explain the lack of solubility in water in terms of polarity and hydrogen bonding.		
<ul style="list-style-type: none">Write combustion equations for complete and incomplete combustion, and be aware of the health effects of CO.		
<ul style="list-style-type: none">Describe radical substitution and be able to draw radicals including dots where appropriate.		
<ul style="list-style-type: none">Write equations to show a mechanism for the reaction between an alkane and a halogen including propagation, termination and initiation steps.		
<ul style="list-style-type: none">Explain how different products are formed as a result of multiple substitution and different points of reaction.		

Pre-test Evaluation

I have...	
Updated my yellow book notes	
Ensured I understand all of my notes	
Looked on the open drive for additional work	
Asked my teacher for guidance	
Confidence rating	I’m doomed! -- - = + ++ I am the BOSS!