Year 11: ASK Yourself!

Subject: Chemistry Unit: 7 – Hydrocarbons

	Launching	Developing	Progressing	Mastering
	1-2	3-4	5-6	7-9
S kills				
	identify 3D models of alkanes and draw 2D displayed formulae of them. To be able to plan	identify 3D models of polymers and be able to draw 2D displayed formulae of simple polymers	SI units and IUPAC chemical nomenclature unless inappropriate	explain why 3D models are used to represent large biological molecules such as
	experiment, make	and their monomers	Use ratios, fractions and	DNA. To be able to
	identify and	To be able to	percentages.	evaluate risks both
	consider health	carry out	To be able to make	in practical science
	and safety risks	experiments	predictions and	and in the wider
	invoivea.	appropriately having due regard	explanations and	social context.
		for the correct	understanding of	
		manipulation of	familiar and	
		apparatus, the	unfamiliar facts.	
		accuracy of		
		meusui emenis.		
nowledge				
	Ta ha ahla ta	Ta ba abla ta	Ta ha ahla ta	Ta ha chla ta
	describe why	identify the	explain process of	explain why boiling
	crude oil is a finite	hydrocarbons in	fractional	points of the
	resource.	the series of	distillation.	fractions are
	To be able to	alkanes.	To be able to	different.
	describe uses of	10 DE ODIE TO describe the	nonerties that	TO DE ADIE TO
	To be able to	process of	influence the use	properties are
	describe	cracking.	of the fuel.	related to the size
	properties of	To be able to	To be able to	of hydrocarbon
	different	describe the	balance equations	molecules.
	To be able to	of alkenes	hydrocarbons	explain the
	describe complete	To be able to	and cracking	consequences of
	combustion.	recognise alcohols	equations.	incomplete
	To be able to	from their names	To be able to draw	combustion.
	describe	or from given	displayed and	To be able to
	cracking	Tormulae.	formulae of the	for reactions of
	crucking.		To mulde of the	Tor reactions of

To be able to describe the difference between an alkane and an alkene. To be able to recognise the functional group in alcohol and carboxylic acids. To be able to describe the types of naturally occurring carbohydrates.	To be able to describe the reactions of carboxylic acids. To be able to recognise addition polymers and monomers from diagrams. To be able to explain the basic principles of condensation polymerisation. To be able to describe the functional group of an amine.	alkanes and alkenes and products of alkene. To be able to describe the process of fermentation. To be able to draw diagrams polymerisation. To be able to identify the two functional groups of an amino acid. To be able to describe how simple sugars join to make natural polymers.	alkene with water, hydrogen, halogens and the combustion of alcohols. To be able to explain the structure of the repeating units in a condensation polymer. To be able to explain structure of amino acids. To be able to explain how sugars form part of the backbone of DNA.
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