St Mungo's Academy

S3 National 4 Chemistry

Unit 2 Natures Chemistry

Lesson 4 - Properties of Alkanes

Learning Intentions:

By the end of this lesson, I will be able to...

★ State properties of the Alkane family.

Task 1 - Properties of Alkanes	
The alkanes are all	and so make excellent
·	
They readily undergo	reactions in the presence of
·	
The alkanes are otherwise	
	<u>.</u>

Task 2
Use page nine of the data booklet to complete the following table:

Name	No of Carbon Atoms	Boiling point
Methane		
ethane		
Propane		
Butane		
Pentane		
Heaxne		
Heptane		
Octane		

alkanes as the number of carbon atoms increases?					
Task 4	structural form	ulao you hayo	for the alkan	OS.	
Look at the	structural form				
Look at the	structural formion describe the				
Look at the					
Look at the					
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Task 5 Write the names for the following alkanes: a) C_2H_6 b) C_4H_{10} c) C₇H₁₆ d) C_8H_{18} Task 6 Write the molecular formula for the following alkanes: a) Propane b) Pentane c) Octane Task 7 Write the full structural formula for the following alkanes: a) Propane

	b) Pentane	
i		
i		
	c) Octane	
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