



Chem!stry

Name: ()

Class:

Date: / /

Names and Formulae of the First Ten Straight-chain Alkanes

- Complete the table below to summarise the names, molecular formulae and structural formulae of the first ten straight-chain alkanes – saturated hydrocarbons, general formula C_nH_{2n+2} .

Number of C Atoms	Name	Molecular Formula	Structural Formula
1	Methane		
2		C_2H_6	
3			<pre> H H H H-C-C-C-H H H H</pre>
4	Butane		
5		C_5H_{12}	
6			<pre> H H H H H H H-C-C-C-C-C-C-H H H H H H H</pre>
7	Heptane		
8		C_8H_{18}	
9			<pre> H H H H H H H H H H-C-C-C-C-C-C-C-C-H H H H H H H H H H</pre>
10	Decane		

- Scan the QR code given below to view the answers to this assignment.



http://www.chemist.sg/organic_chem/worksheets/nomenclature/name_first_ten_alkanes_ans.pdf