

Alkanes	
<b>bonds</b>	single bonded carbon atoms to hydrogen atoms
<b>simplest organic compounds</b>	straight chain hydrocarbons
<b>polarity</b>	non polar
<b>saturated</b>	contain as many hydrogen atoms as possible

IUPAC rules for naming alkanes	
<b>without branches</b>	named according to number of carbon atoms
<b>substituents present</b>	root name is that of the longest continuous carbon chain
<b>numbering main chain</b>	start at end so substituents receive the lowest number possible
<b>two or more of same substituent</b>	di-, tri-, tetra-, etc
<b>order</b>	alphabetical
<b>numbering</b>	commas between numbers, dash between number and word
<b>example</b>	2,3-dimethyl-4-chloroheptane

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