

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

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



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Not published yet.
Last updated 6th February, 2019.
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