No

Date: / /

* If there is no room for Hydrogens then the hydrocarbon is saturated

* If there is room for H, then the hydrocarbon is unsaturated

* If there are double bonds drawn between one or more carbon atoms, then the hydrocarbon is unsaturated

* If there are only single bonds, then the hydrocarbon is saturated.

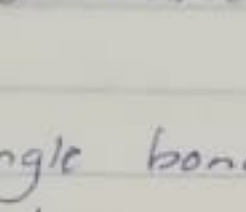
Alkanes and Cycloalkanes

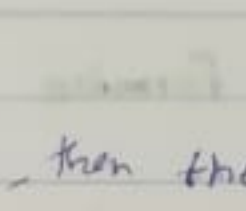
Alkanes

$CH_3-CH_2-CH_3$

$CH_3-CH_2-CH_2-CH_3$

Cycloalkanes





- Only single bonds and are saturated.

The formulae of the hydrocarbon show every bond and other every atom

These formulae can be written as molecular formulae

the first one can be written as CH_4

Note
Try writing molecular formulae for the other hydrocarbons shown.

Summary

Alkanes: $CH_3-CH_2-CH_3$

Cycloalkanes