

Ch 25

Sec 25.2-25.3

HW: Sec Rev 11,12,16-19

obj: Draw structural formulas and give names of alkanes, alkenes and alkynes.

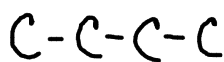
Properties of Alkanes

- Are nonpolar compounds
- Are gases @ Rm temp or are Liquids w/ Low boiling pts.
- Have different structures from the same chemical formulas. (Structural Isomers)

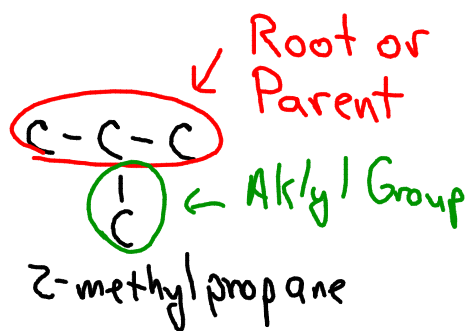
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- Structural Isomers have different boiling pts.

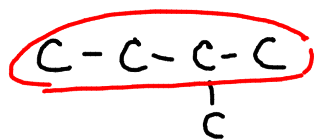
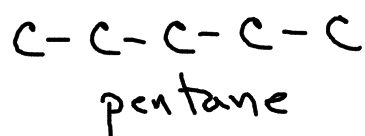
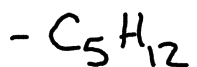
- Structural Isomers (Branched Hydrocarbons)



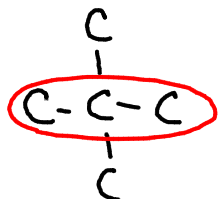
Butane



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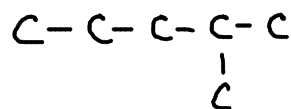
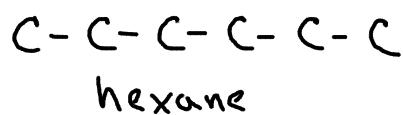
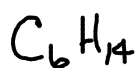


2-methylbutane

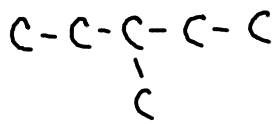


2,2-dimethylpropane

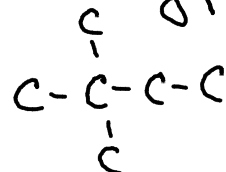
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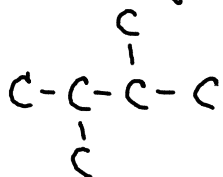
2-methylpentane



3-methylpentane

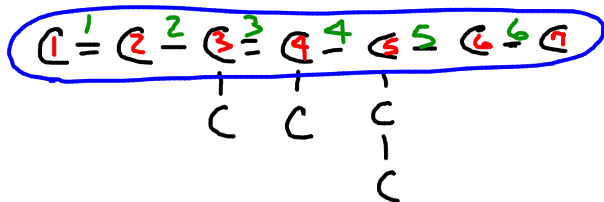


2,2-dimethylbutane.



2,3-dimethylbutane

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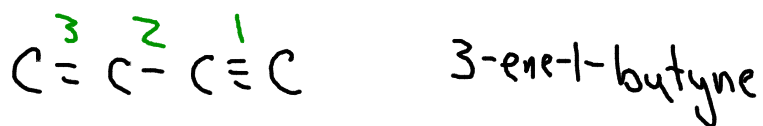
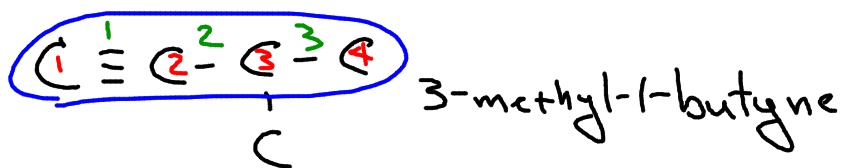
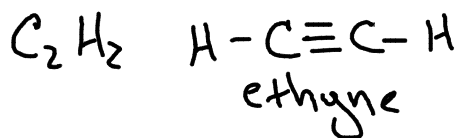


5-ethyl-3,4-dimethyl-1,3-heptene

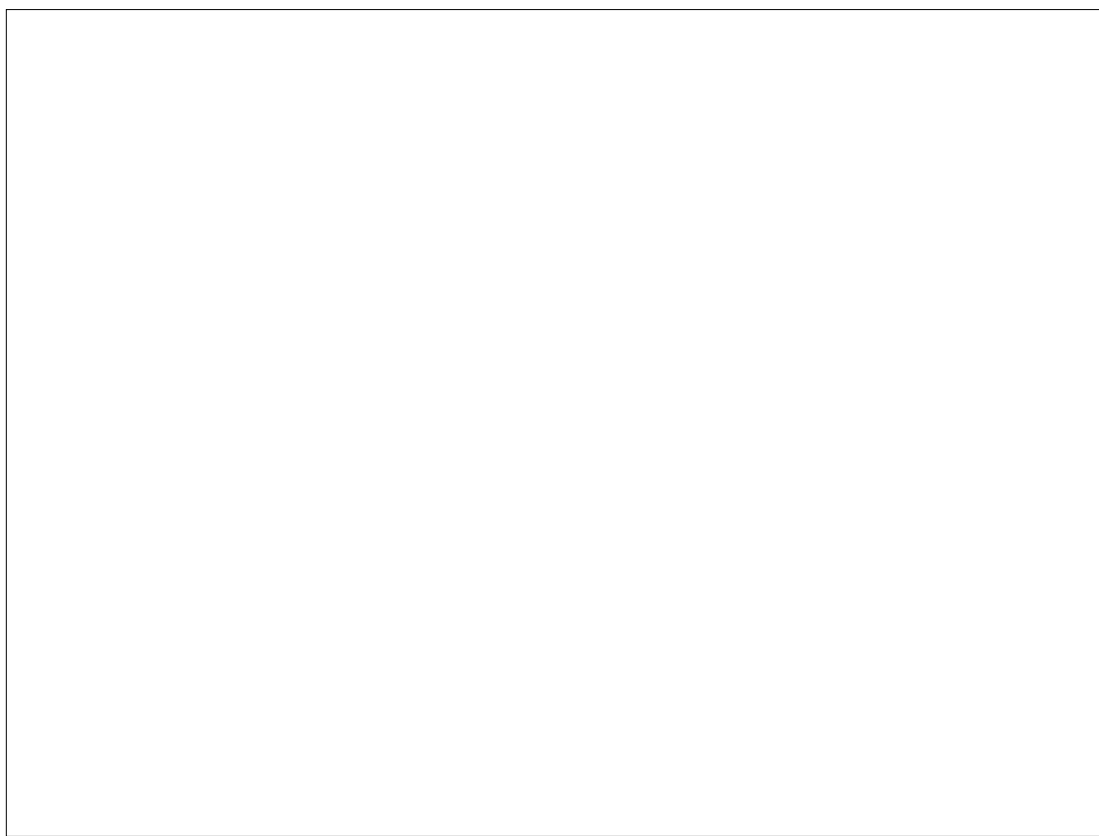
Alkynes

- Hydrocarbons w/ @ Least 1 triple btw carbon atoms.
- Unsaturated Compounds (Hydrocarbons)
- Rare type of hydrocarbon.

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Dec 2 - 10:08 AM