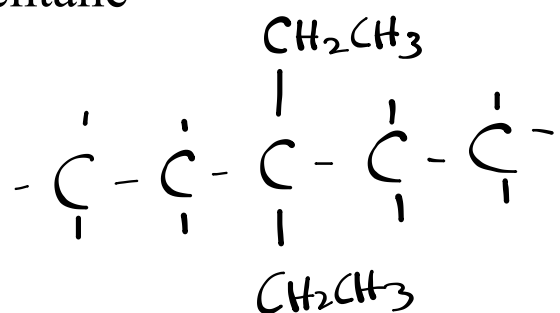


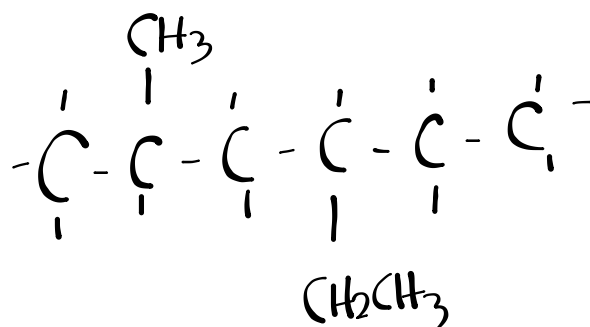
Warm Up

Draw the following compounds:

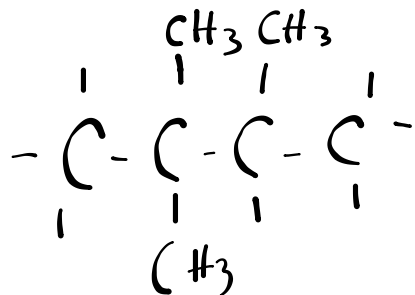
a) diethylpentane



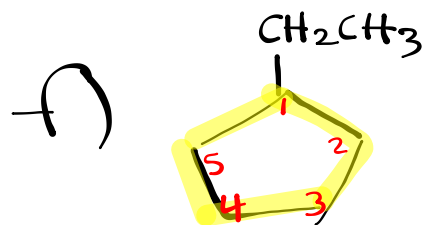
b) 4-ethyl-2-methylhexane



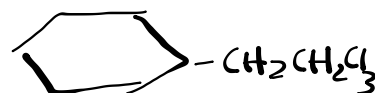
c) trimethylbutane



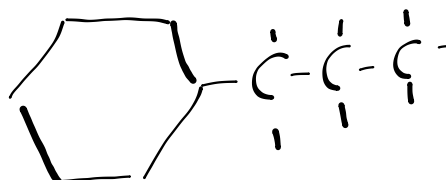
Worksheets - Naming Alkanes



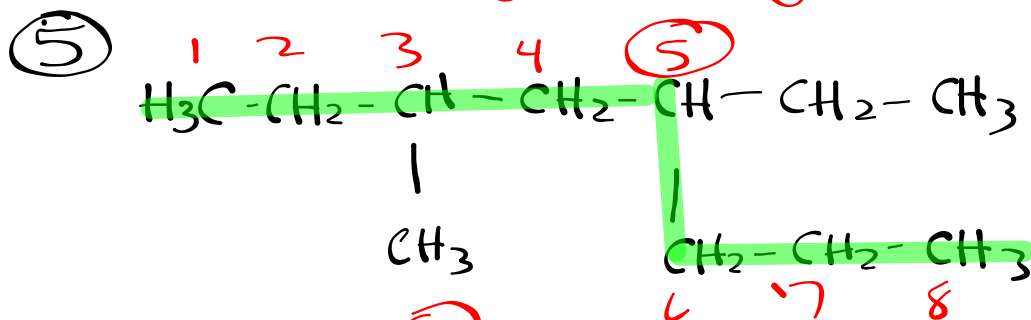
ethylcyclopentane



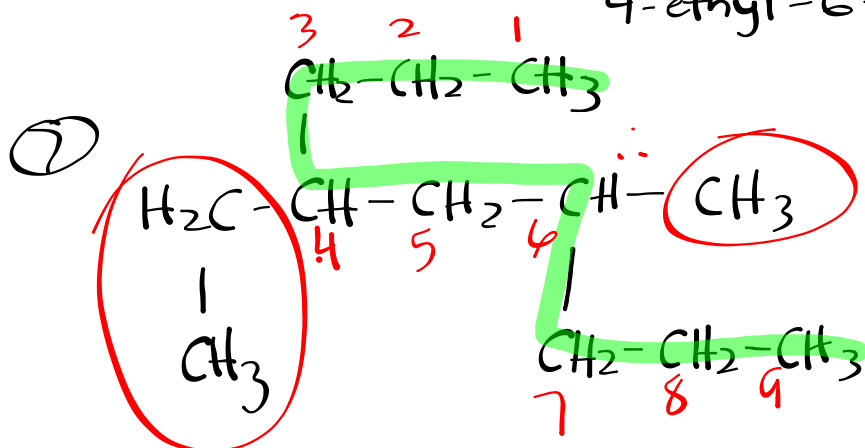
b) propylcyclohexane



5-ethyl-3-methyloctane



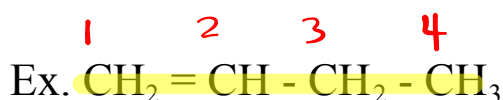
4-ethyl-6-methylnonane



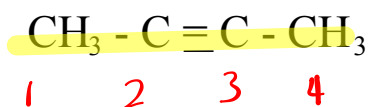
Naming Alkenes / Alkynes

Naming alkenes (double bonds) and alkynes (triple bonds) are very similar to alkanes. When naming, take these two points into consideration:

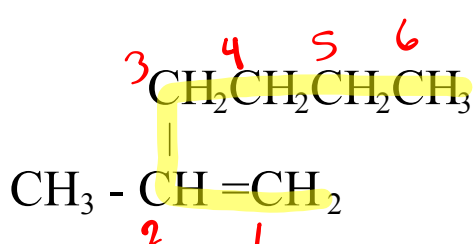
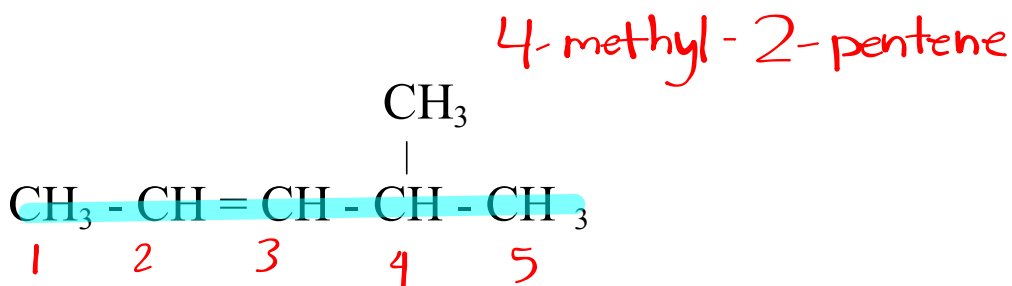
- the longest parent chain of carbon atoms must include the multiple bond, and the chain is numbered from the end closest to the multiple bond
- the name of the compound's parent chain is preceded by a number that indicates the position of the multiple bond on the parent chain.



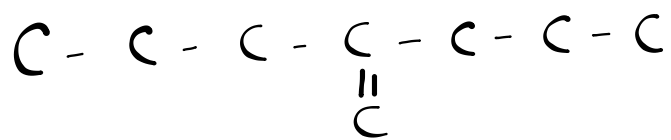
1-butene



2-butyne

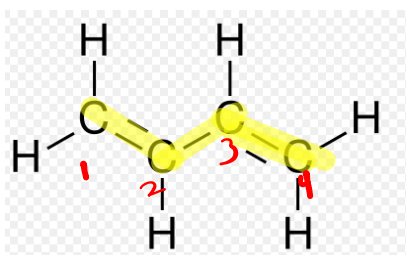


2-methyl-1-hexene



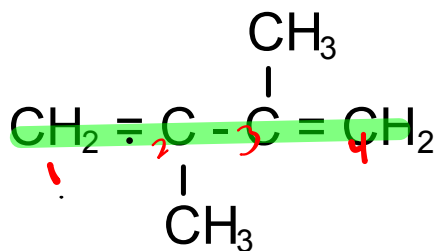
Multiple Multiple Bonds

If there is more than one multiple bond in an organic compound, the name of the compound is changed to a _____ diene, with the placing of the double bonds indicated at the beginning of the parent name.



1,3-butadiene

dimethyl 1,3-butadiene



Homework

Worksheet 46