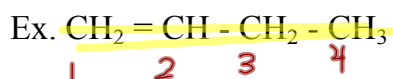


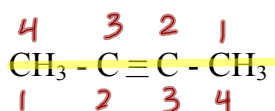
Naming Alkenes / Alkynes

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

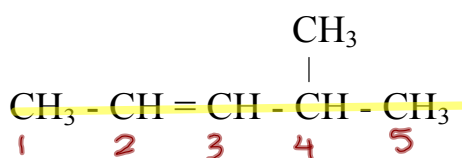
- the longest parent chain of carbon atoms must include the multiple bond, and the chain is numbered from the end closest to the multiple bond
- the name of the compound's parent chain is preceded by a number that indicates the position of the multiple bond on the parent chain.



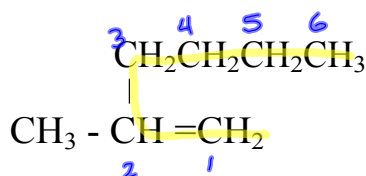
1-butene



2-butyne

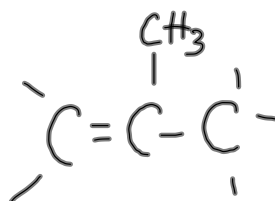


4-methyl-2-pentene



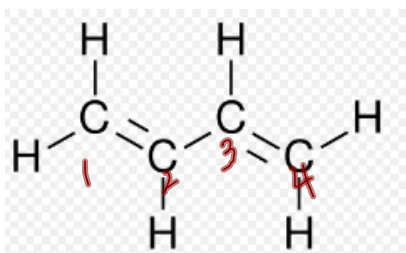
2-methyl-1-hexene

methylpropene



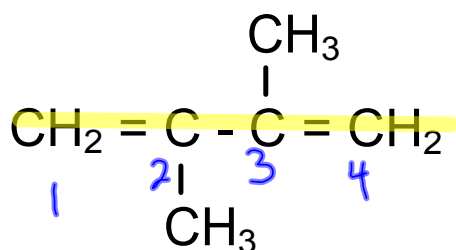
Multiple Multiple Bonds

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.

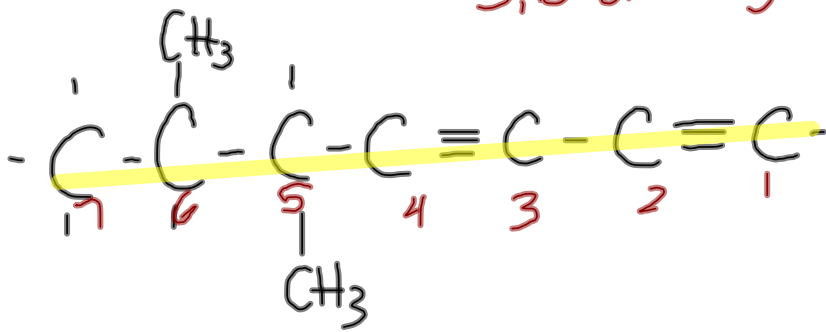


1,3-butadiene

dimethyl-1,3-butadiene



5,6-dimethyl-1,3-heptadiyne



Homework

Worksheet 46