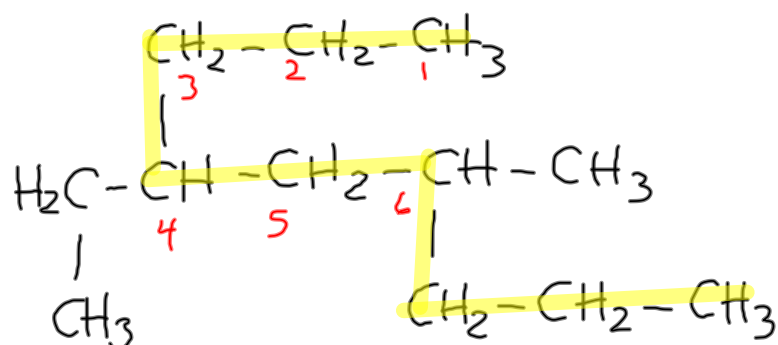
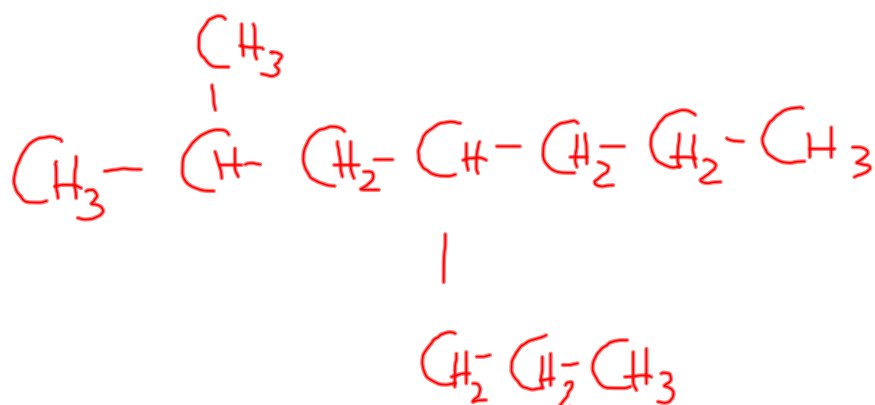
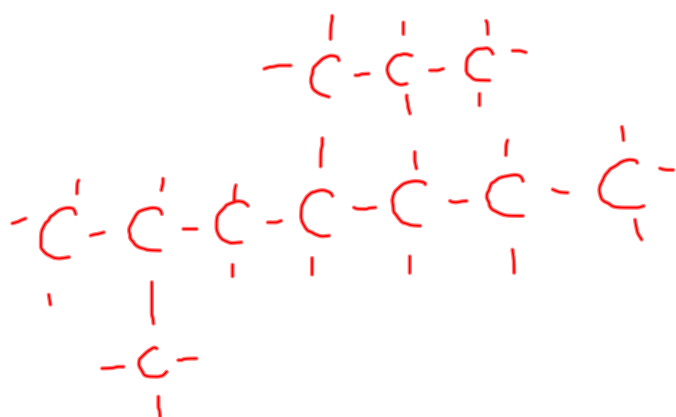


Worksheet - Naming Alkanes



4-ethyl-6-methylnonane

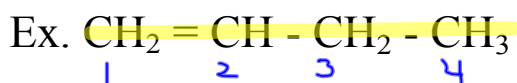
⑫



Naming Alkenes / Alkynes

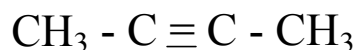
Naming alkenes (double bonds) and alkynes (triple bonds) are very similar to alkanes. When naming, take these two points into consideration:

- 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.

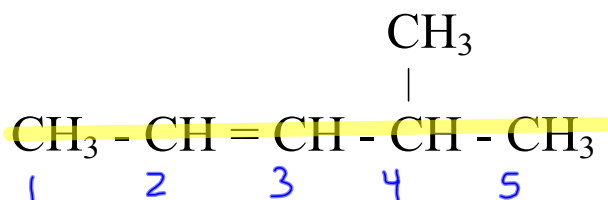


1 2 3 4

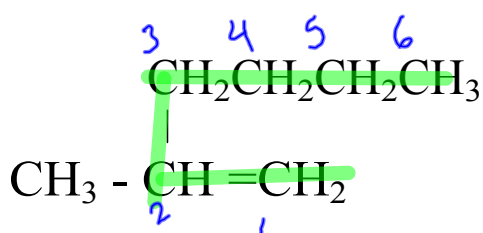
1-butene



2-butyne



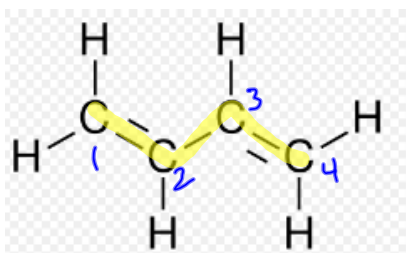
4-methyl-2-pentene



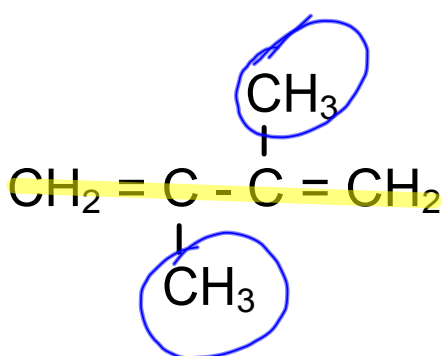
2-methyl-1-hexene

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