

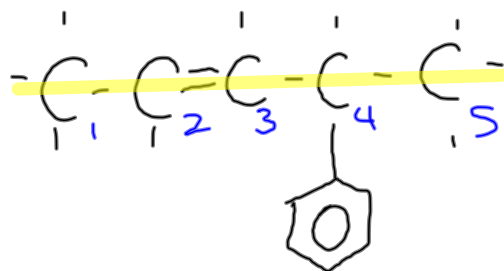
Worksheet 47 - Questions?

Common Mistakes...

Benzene vs. Cyclohexane

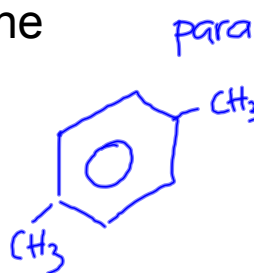
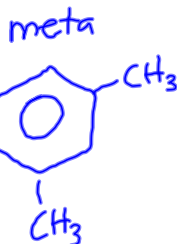
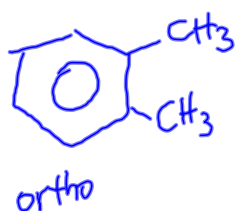


Benzene as a branch (phenyl)

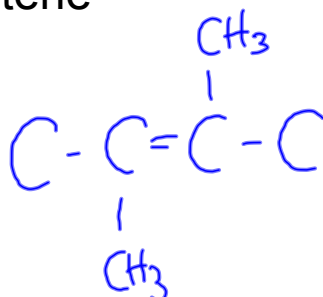


4-phenyl-2-pentene

ortho, meta, para-dimethylbenzene



dimethyl-2-butene

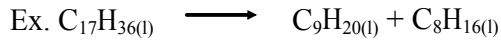


Worksheet - Naming Hydrocarbons

Reactions

cracking - reaction in which hydrocarbons are broken into smaller fragments

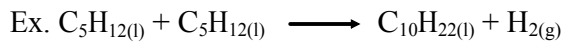
- this reaction occurs in the absence of air, and **with a catalyst or heat**, to speed up the reaction.



***atoms must be conserved!**

reforming - reaction in which large molecules are formed from smaller ones

- this reaction normally occurs with the help of a catalyst or heat

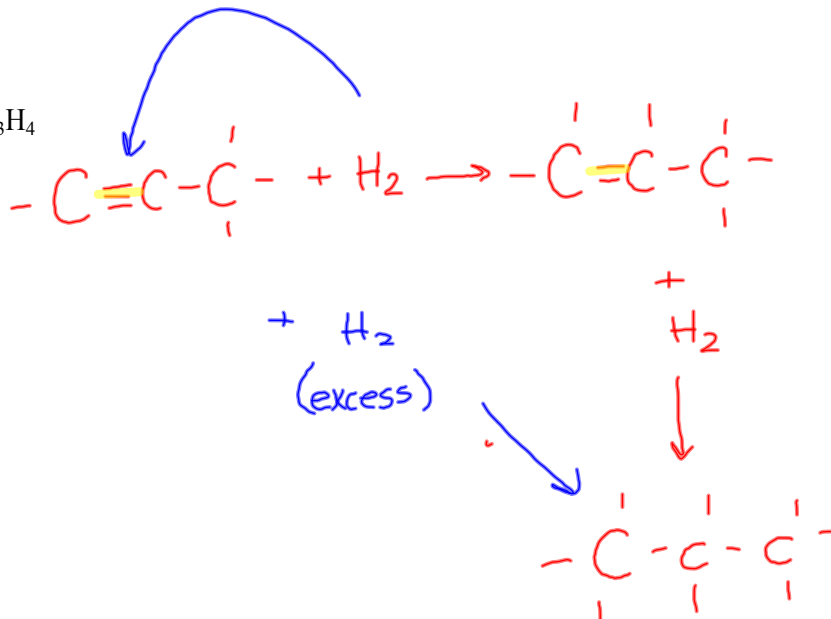
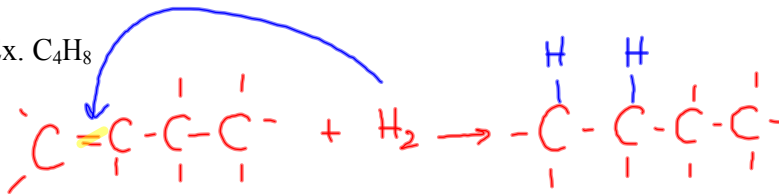


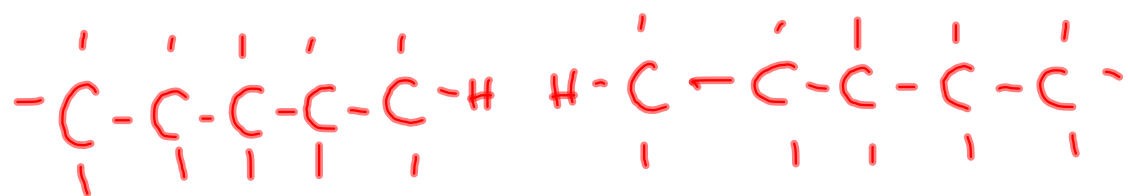
combustion - a reaction between a compound and oxygen to produce the most common oxides.



↑
"burning"

addition (hydrogenation) reaction - a reaction in which an unsaturated molecule reacts with hydrogen (diatomic).





Worksheet

Quiz - Tomorrow