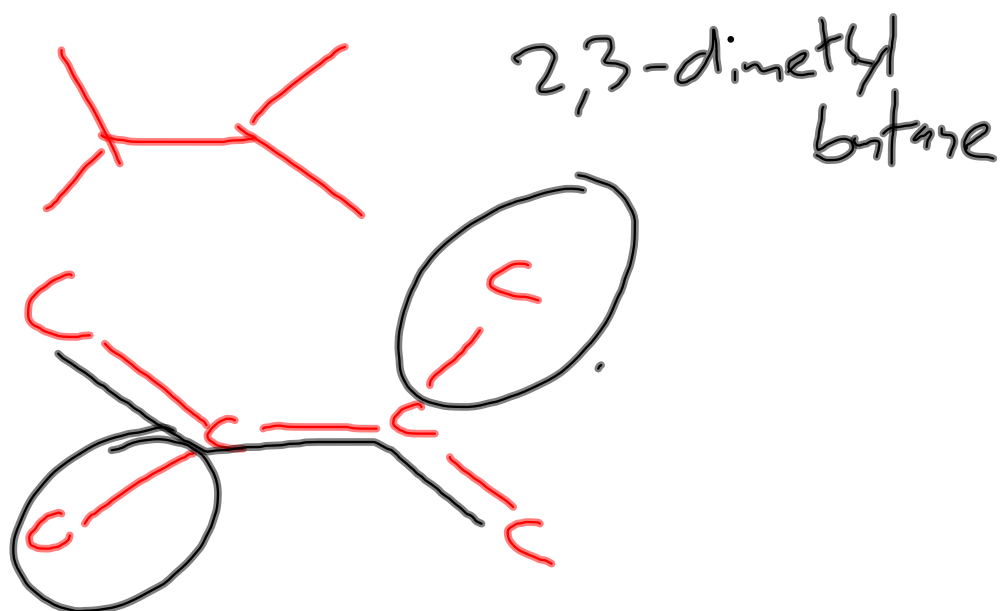
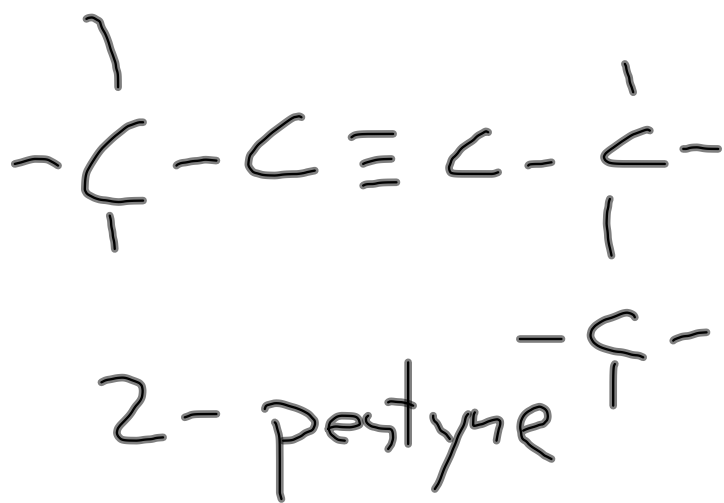


Worksheet 47 - Questions?

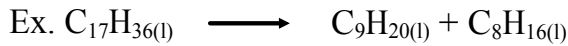




Reactions

cracking - reaction in which hydrocarbons are broken into smaller fragments

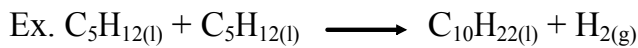
- this reaction occurs in the absence of air, and **with a catalyst or heat**, to speed up the reaction.



***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

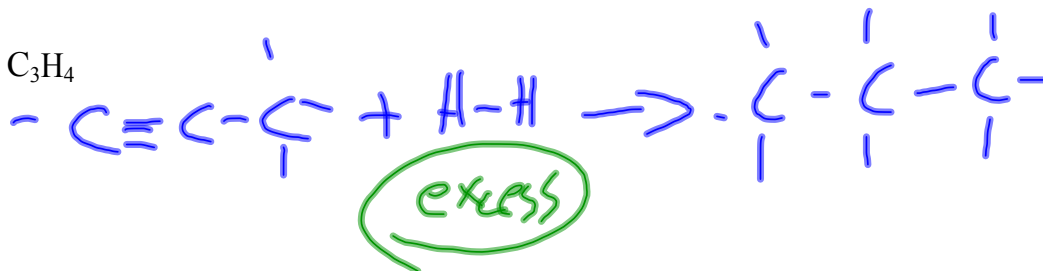
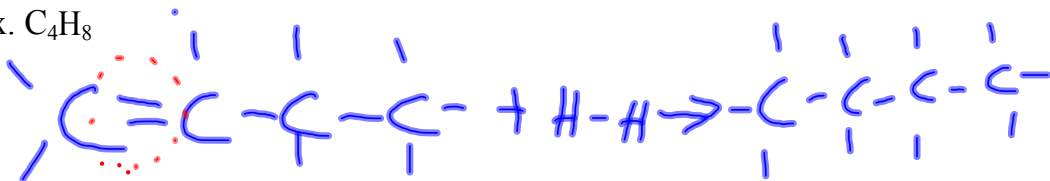
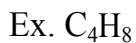


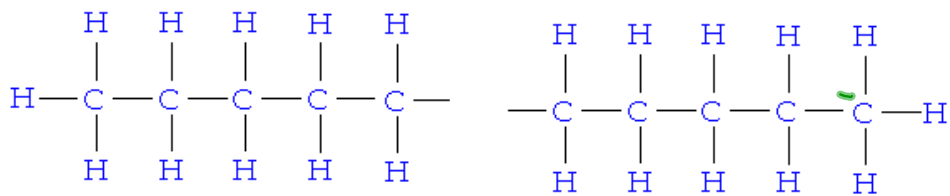
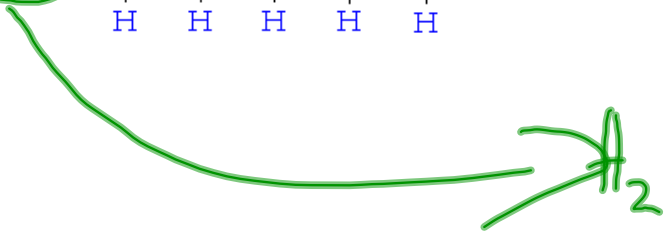
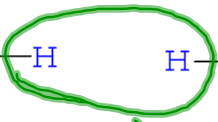
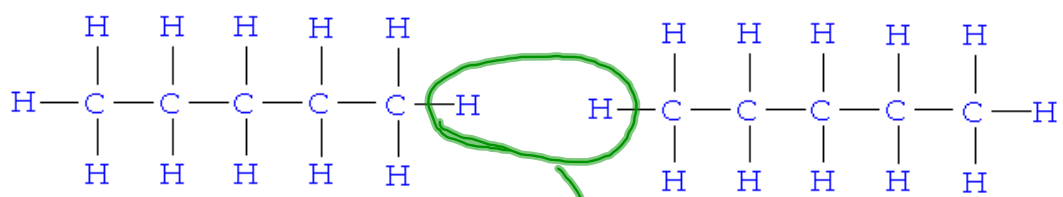
combustion - a reaction between a compound and oxygen to produce the most common oxides.



↑
"burning"

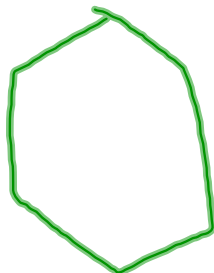
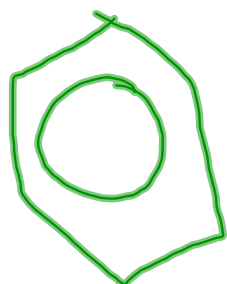
addition (hydrogenation) reaction - a reaction in which an unsaturated molecule reacts with hydrogen (diatomic).



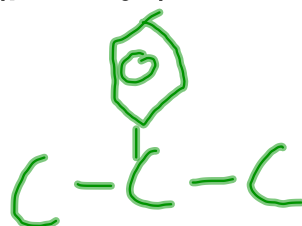


Common Mistakes...

Benzene vs. Cyclohexane



Benzene as a branch (phenyl)



phenylbenzene

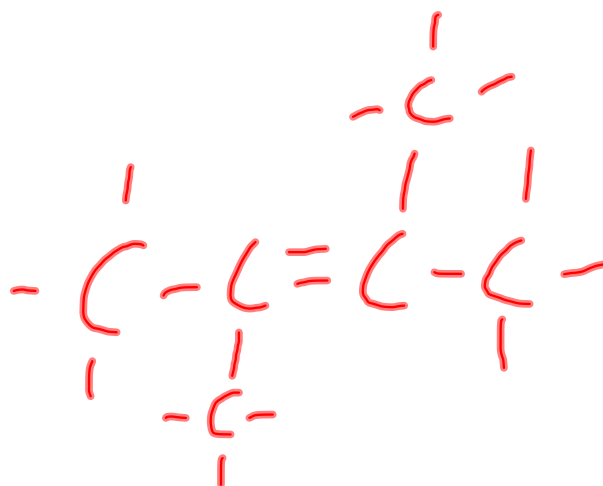


3-phenyl-1-propene

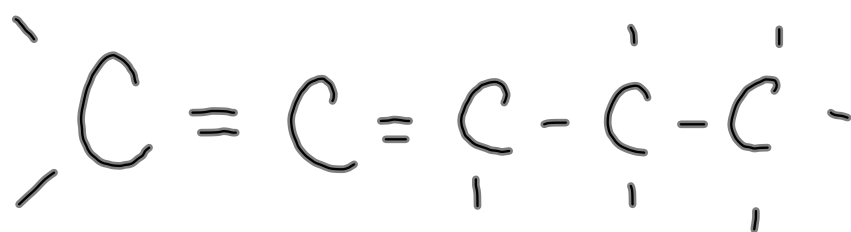
ortho, meta, para-dimethylbenzene

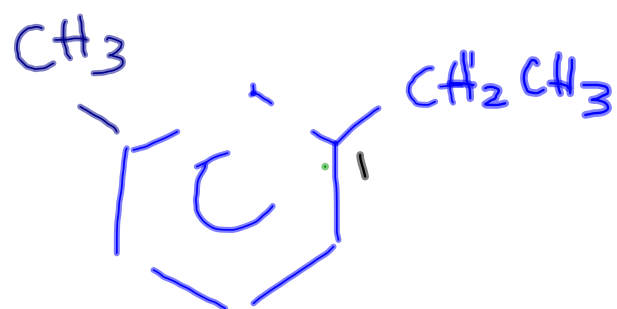
1,2 1,3 1,4

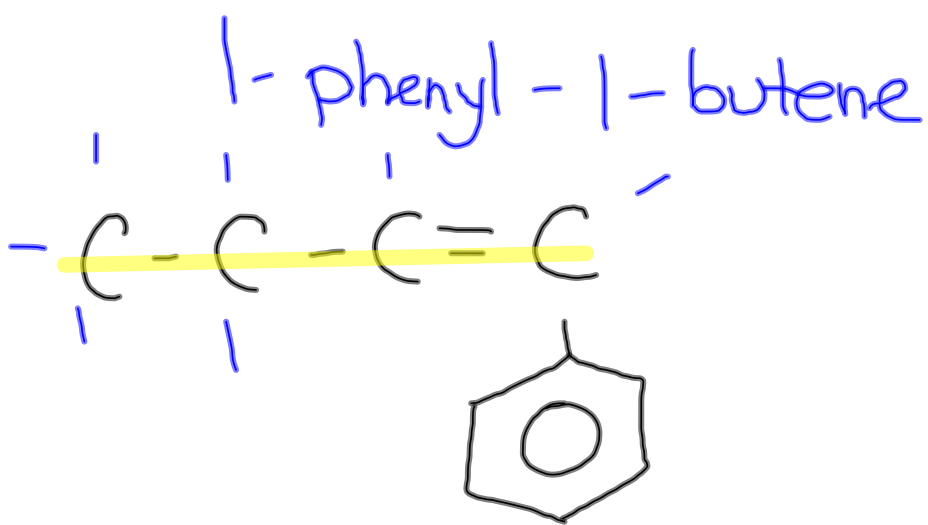
dimethyl-2-butene



1,2-pentadiene

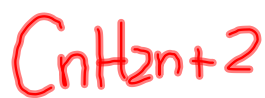
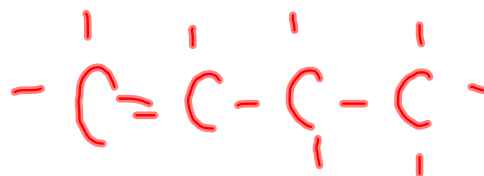
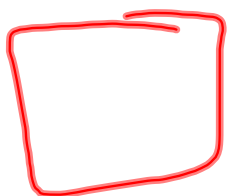








double bond or
cycloalkane



Worksheet

Quiz - Tomorrow

