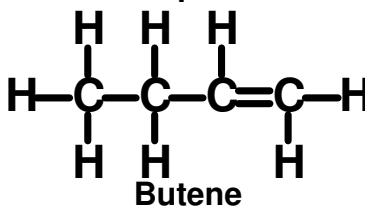
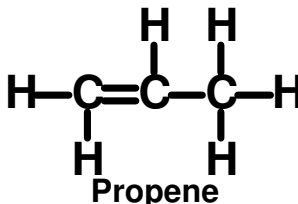


Name _____ Date Due _____

Alkenes and Bromine

Name	Number of carbons in the longest chain
Methene	1
Ethene	2
Propene	3
Butene	4
Pentene	5
Hexene	6
Heptene	7
Octene	8



1) Draw the products of the reaction of bromine with the two alkenes above. Remember that each carbon must have 4 bonds! What colour change would you expect to see during the reaction?

Cracking

2) Which of the following is an equation for a possible cracking reaction (there's more than one!)?

Reaction	OK	Not OK
Octane \rightarrow Butane + Butene		
Heptane \rightarrow Hexene + Methane		
Propane \rightarrow Ethane + Ethene		
Pentane \rightarrow Propane + Ethene		
Octane \rightarrow Heptane + Methane		
Propane \rightarrow Methane + Ethene		
Pentane \rightarrow Butene + Methane		