

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Organic Chemistry - HYDROCARBONS WORKSHEET**

Draw the complete structural formula and condensed molecular formula for each compound.

IUPAC Name	Complete Structural Formula	Condensed Formula
butane		
2-methylhexane		
3-ethyl-2-methylnonane		
propene		
4-methyl-2-heptene		
ethyne		
5,6-dimethyl-2-octyne		

cyclopropane		
1,3-diethylcyclohexane		
5-ethyl-4-propyl-2-heptyne		
2,2-dimethyl-3-phenylhexane		
1-methyl-3-propylbenzene		

Draw structural formulae and give the names for the five possible (noncyclic) isomers of  $C_6H_{14}$ .



Use IUPAC naming rules to name the following hydrocarbon compounds:

