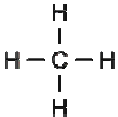
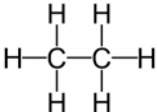
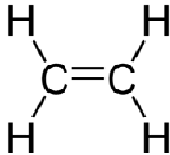
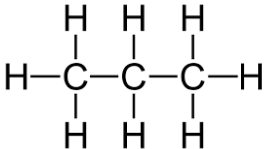
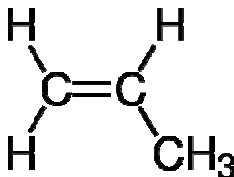
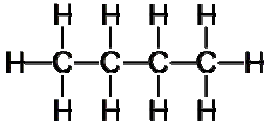
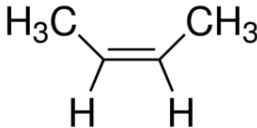
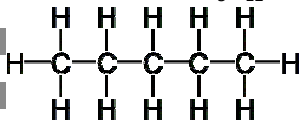
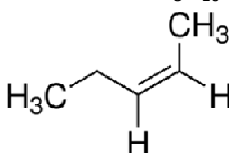
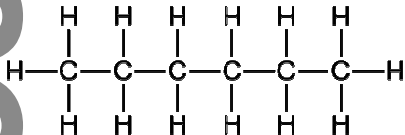
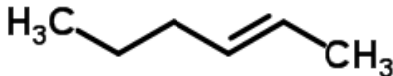
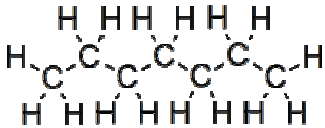
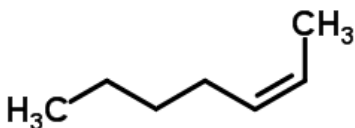
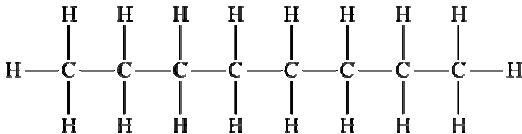
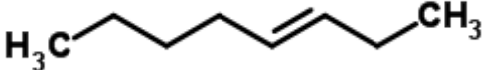
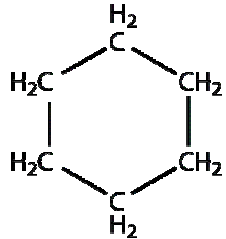
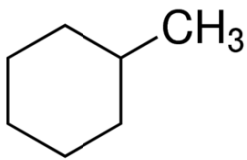
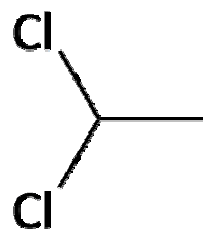
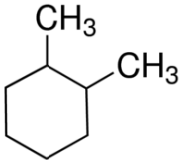
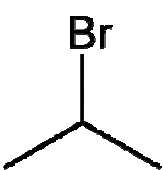
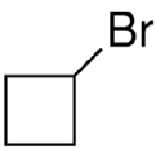
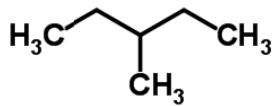
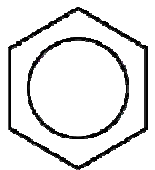
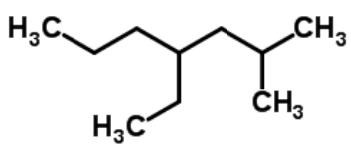
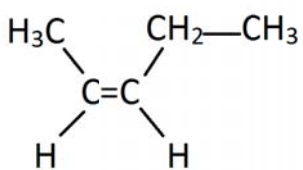


Alkane and Alkene Structure and Nomenclature	
Alkane $\text{CH}_4(\text{C}_n\text{H}_{2n+2})$ Priority: 11 (lowest) Single Bond, Bond angle 109.5° , Non-Polar	Alkene $\text{C}_2\text{H}_4(\text{C}_n\text{H}_{2n})$ Priority: 10 Double Bond, planar Triangle
Methane CH_4 	
Ethane C_2H_6 	Ethene C_2H_4 
Propane C_3H_8 	Propene C_3H_6 
Butane C_4H_{10} 	But-2-ene C_4H_8 
Pentane C_5H_{12} 	Pent-2-ene C_5H_{10} 
Hexane C_6H_{14} 	Hex-2-ene C_6H_{12} 
Heptane C_7H_{16} 	Hept-2-ene C_7H_{14} 
Octane C_8H_{18} 	Oct-3-ene C_8H_{16} 

Nonane C_9H_{20}	Non-3-ene C_9H_{18}
Decane $C_{10}H_{22}$	Dec-2-ene $C_{10}H_{20}$
Undecane $C_{11}H_{24}$	Undec-2-ene $C_{11}H_{22}$
Dodecane $C_{12}H_{26}$	Dodec-6-ene $C_{12}H_{24}$
Cyclopropane	2-methylbutane
Cyclobutane	Chloromethane
Cyclopentane	Bromo-chloromethane

Cyclohexane 	1,2- dichloroethane 
Methylcyclohexane 	1,1-dichloroethane 
1,2 dimethylcyclohexane 	2-bromopropane 
Bromocyclobutane 	3-methylpentane 
Benzene 	4- ethyl-2-methylheptane 
Cis-Pent-2-ene 	trans-pent-2-ene 