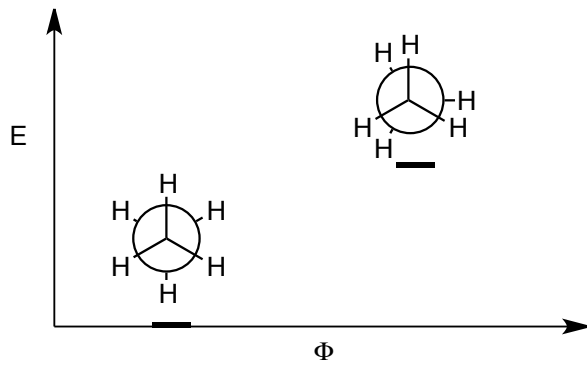
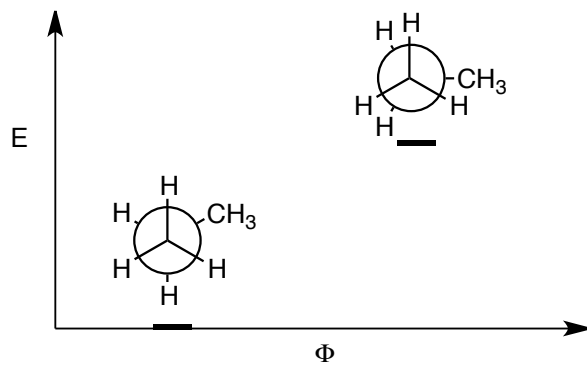


Torsional Energy Profiles

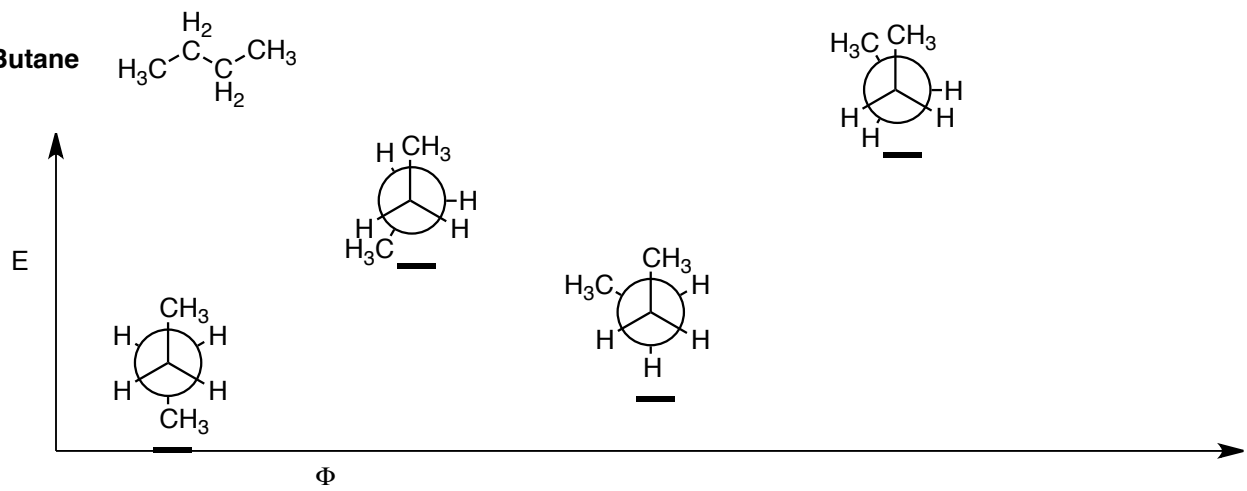
Ethane $\text{H}_3\text{C}-\text{CH}_3$



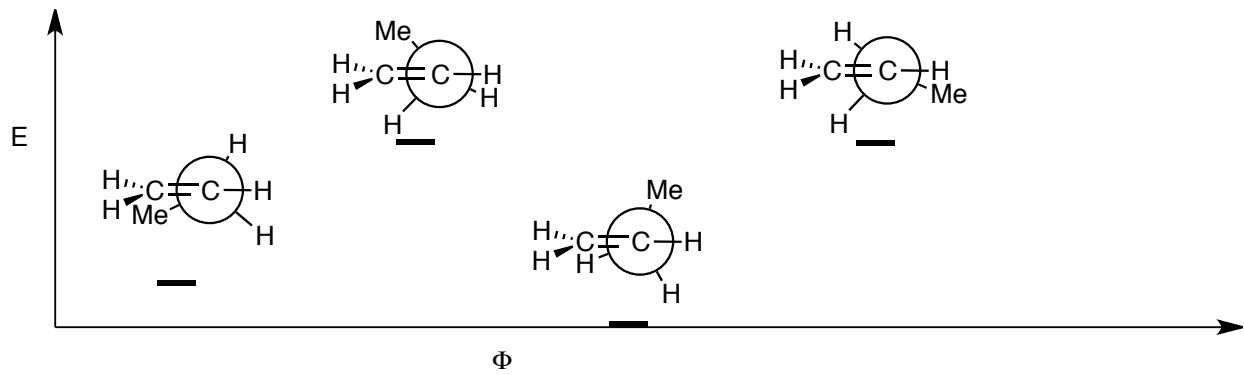
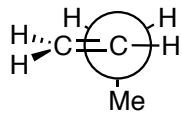
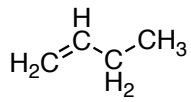
Propane $\text{H}_3\text{C}-\text{CH}_2-\text{CH}_3$



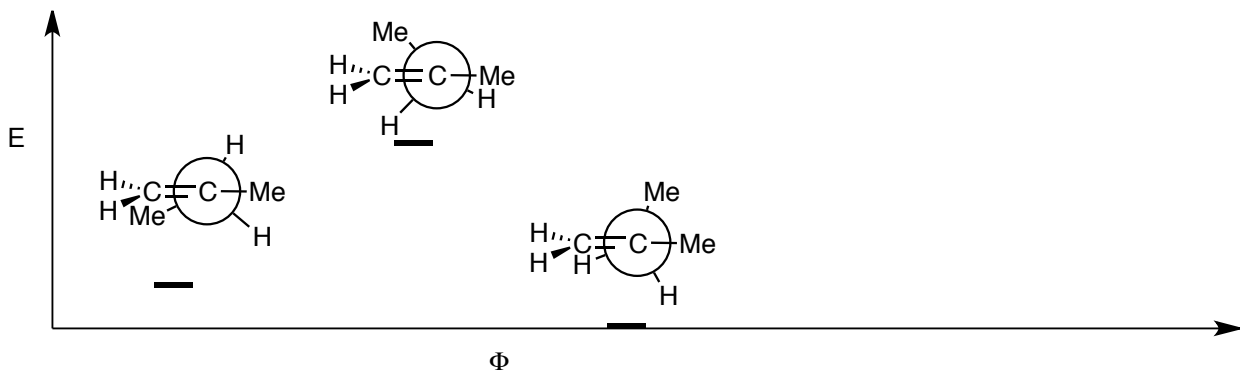
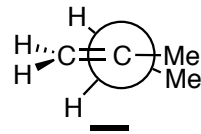
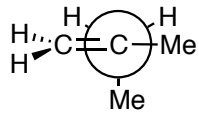
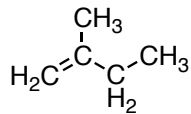
Butane $\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_3$



Butene



2-Methyl-1-Butene



(Z)-2-pentene

