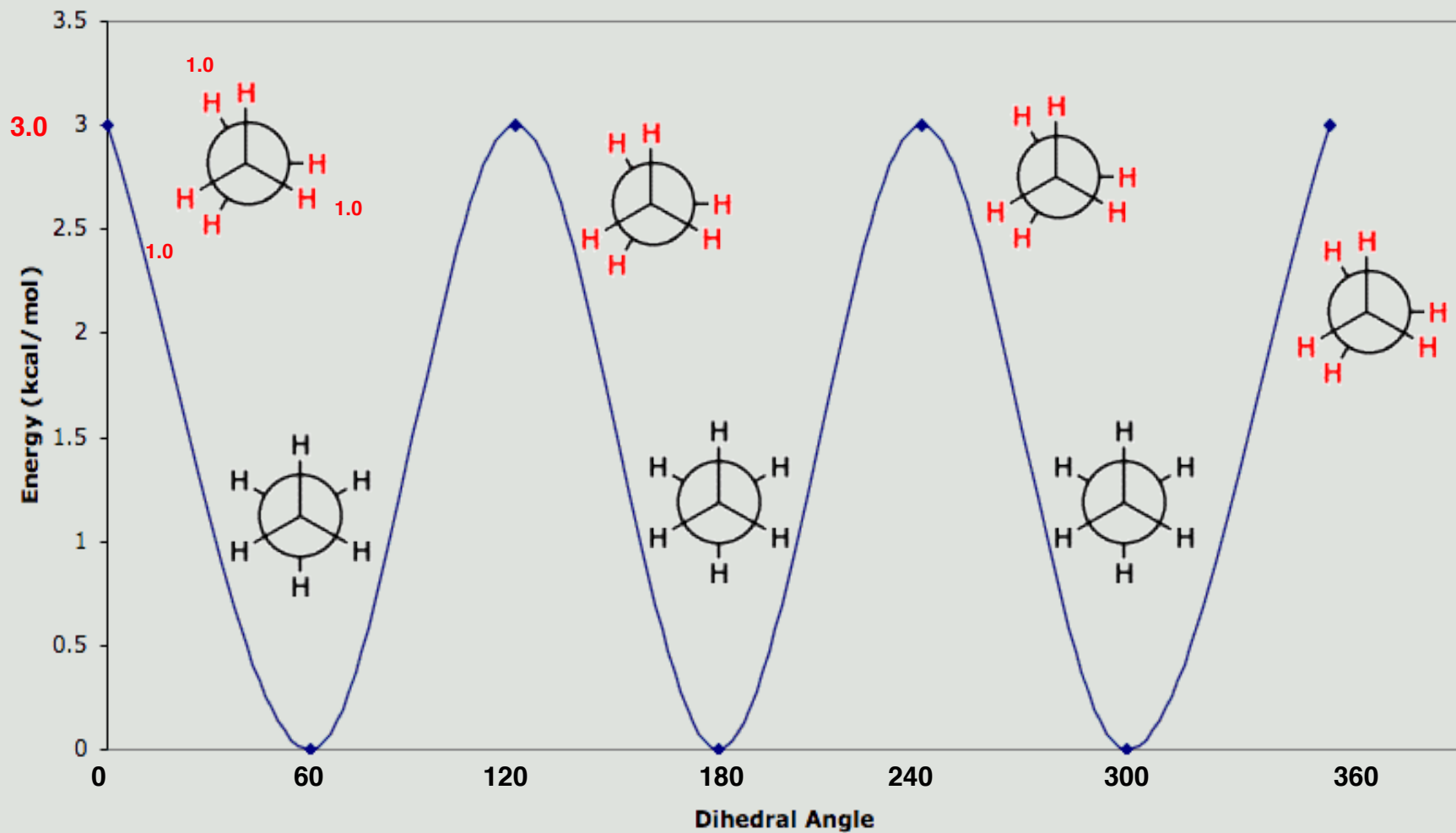


*Conformations  
of  
Alkanes*

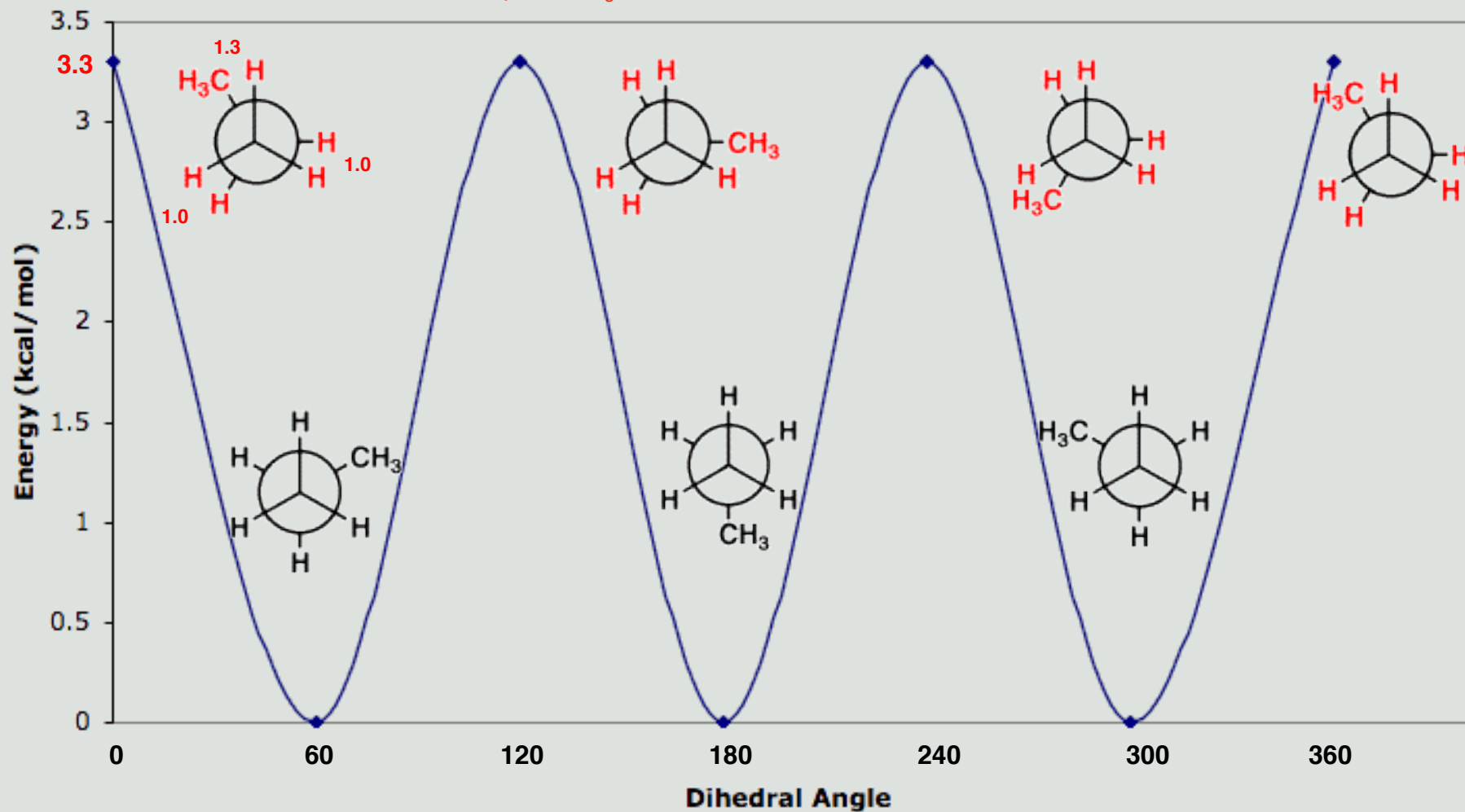
# Conformations of Ethane

Eclipsed C-H/C-H interaction = 1.0 kcal/mol



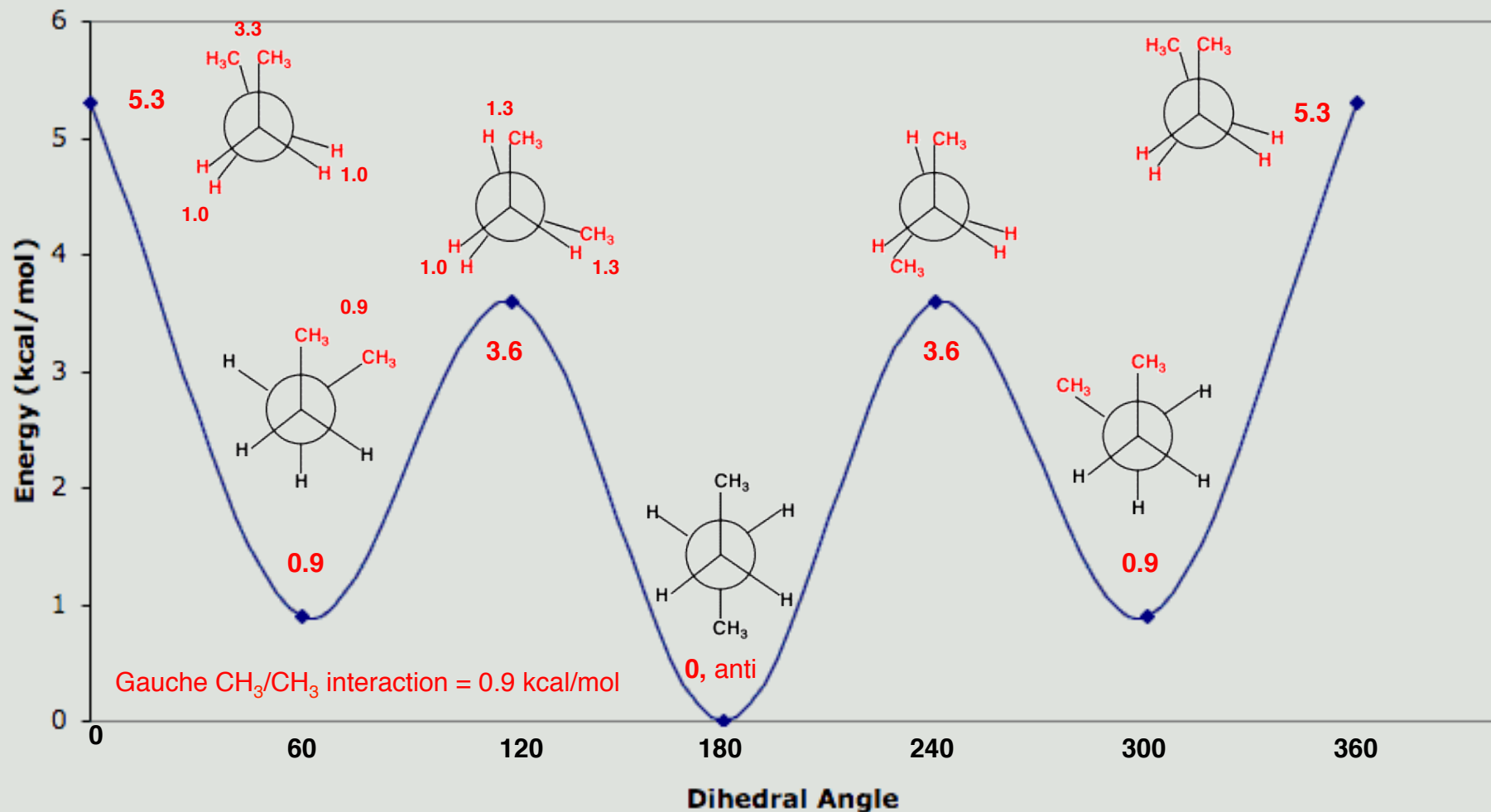
# Conformations of Propane

Eclipsed  $\text{CH}_3/\text{H}$  interaction = 1.3 kcal/mol

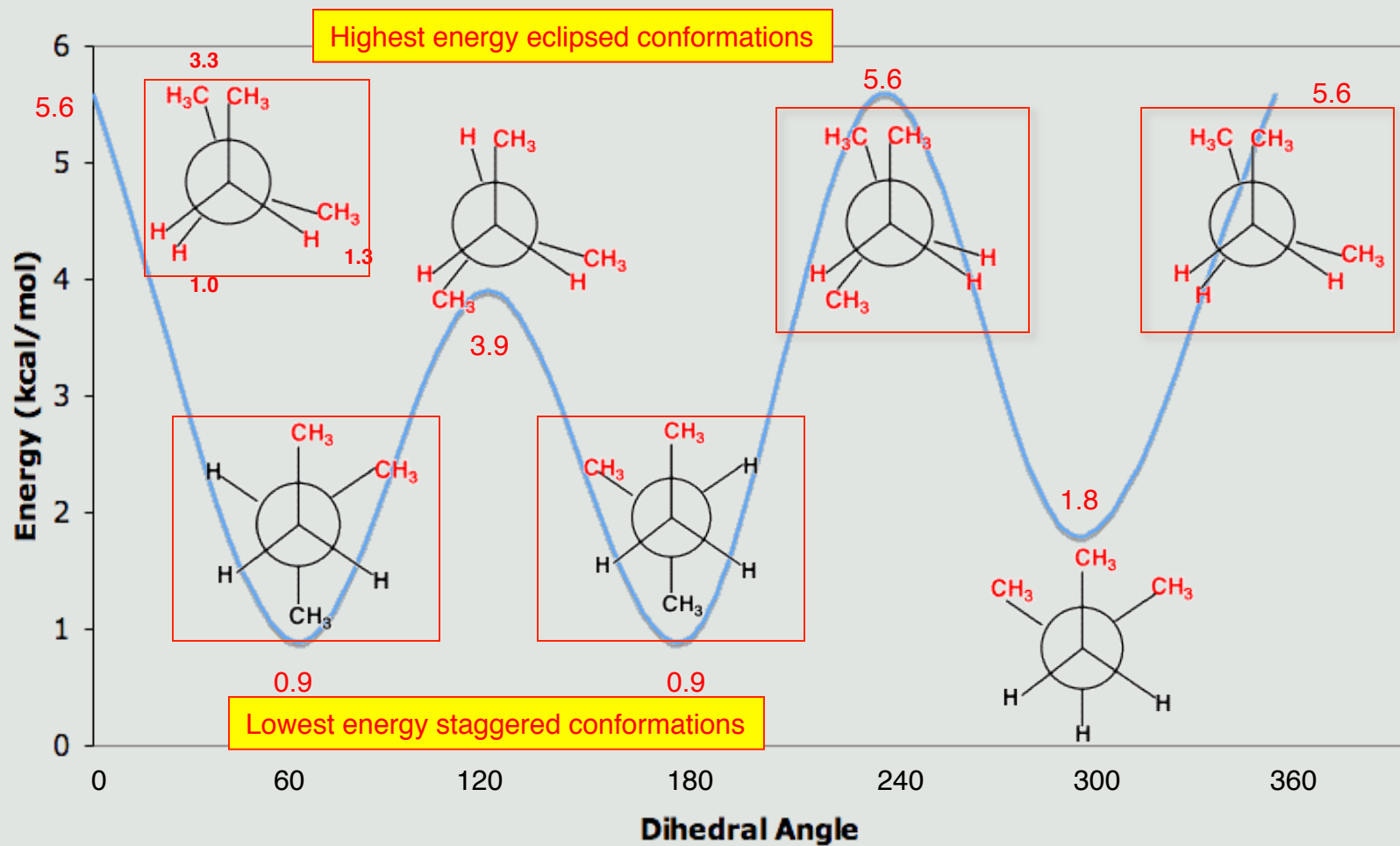


# Conformational Energy of n-Butane

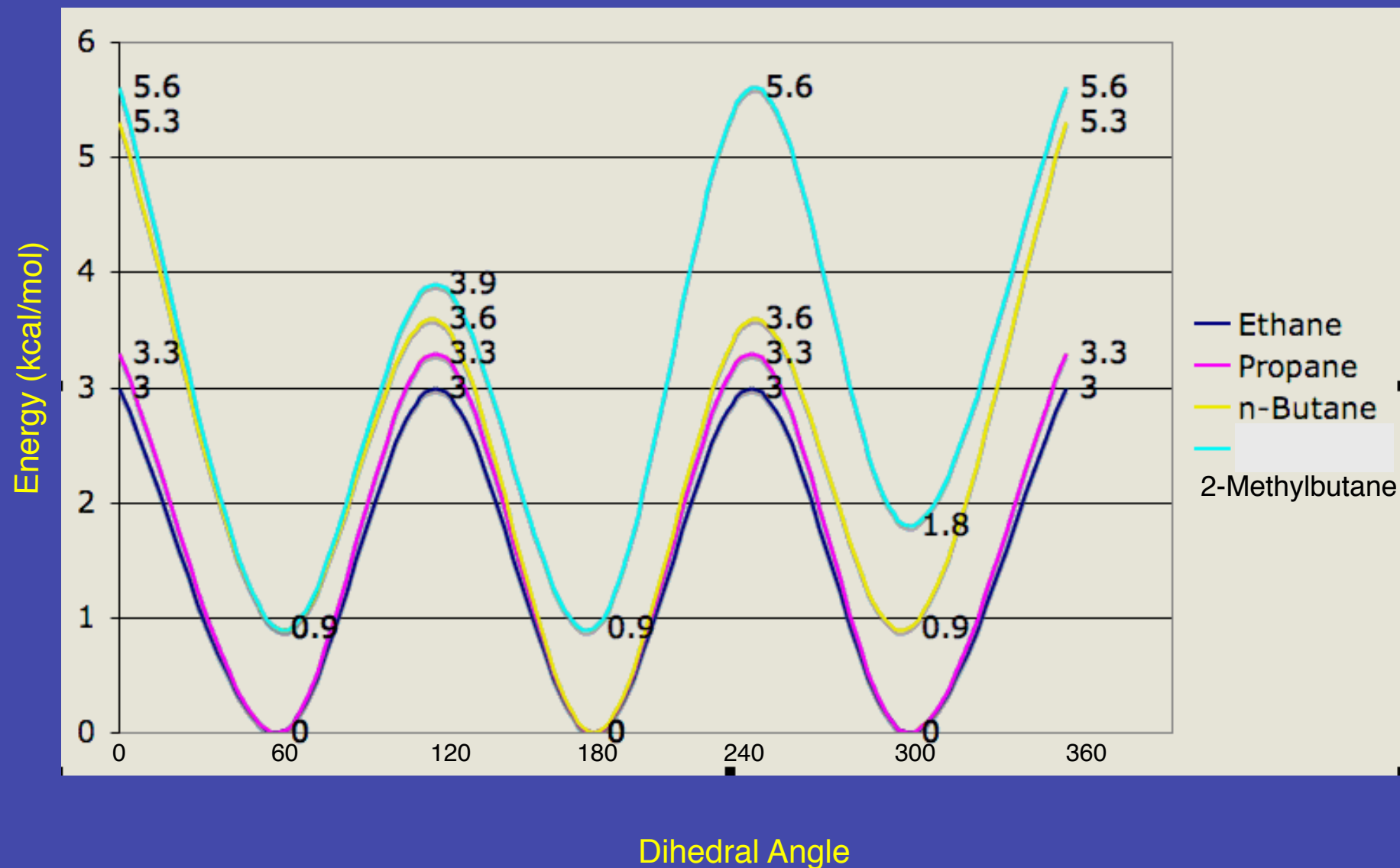
Eclipsed  $\text{CH}_3/\text{CH}_3$  interaction = 3.3 kcal/mol



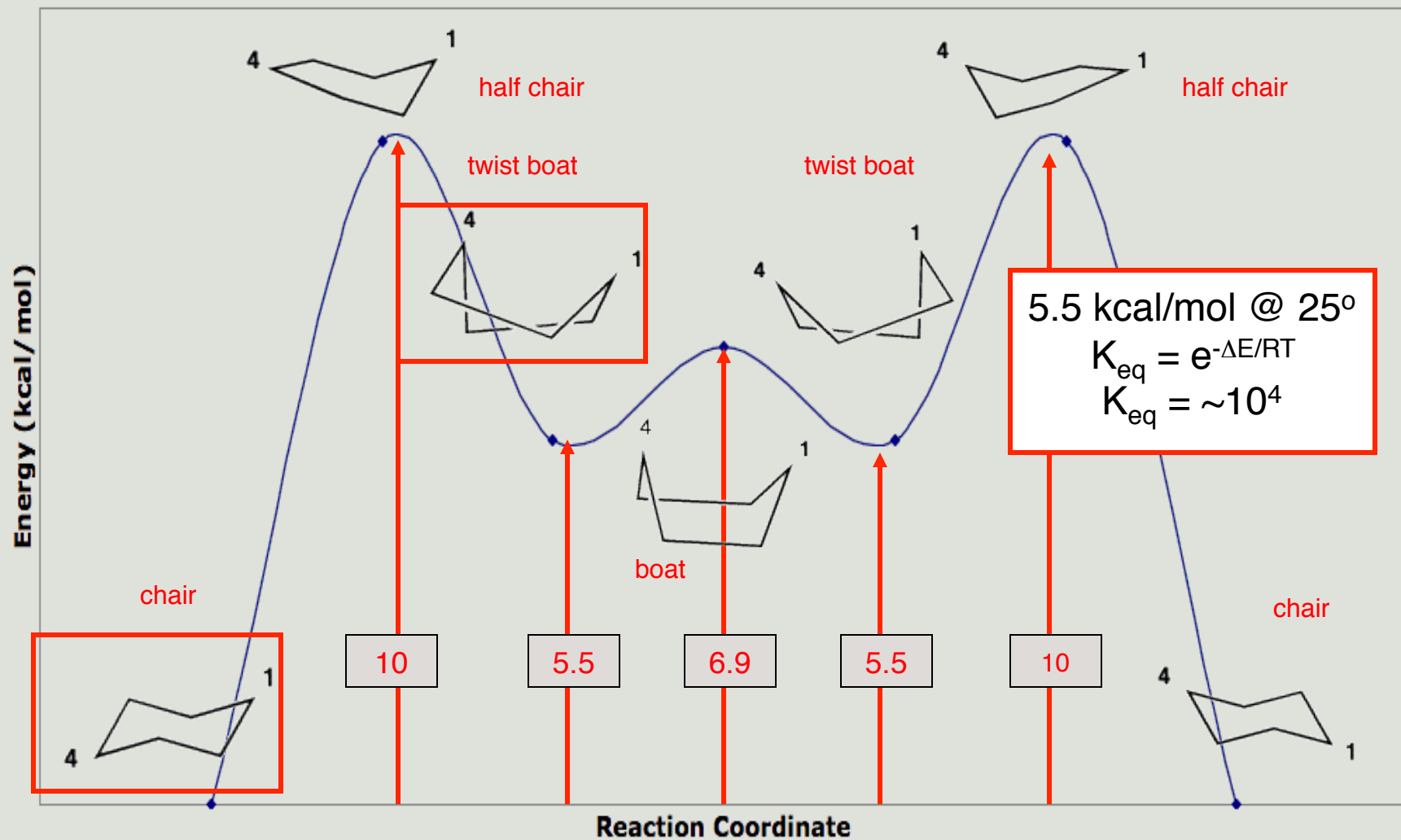
## Conformation of 2-Methylbutane



# Conformational Energy of C<sub>2</sub> - C<sub>5</sub> Acyclic Alkanes



# Conformations of Cyclohexane



*The  
End*