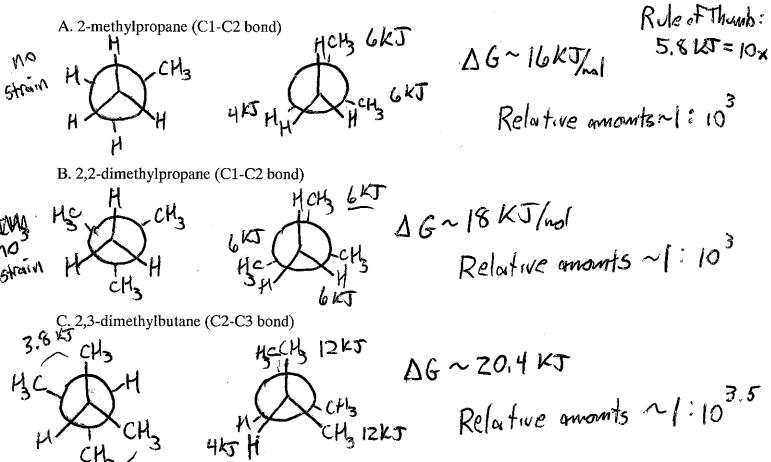
1. Draw a Newman Projection for the most and the least stable conformations of each of these compounds. Calculate the difference in energy between them, and use our thermodynamic Rule of Thumb to estimate the relative amount of each at equilibrium.



2. Draw a relative energy diagram for the conformational analysis of 1,2-dichloroethane.

