CONCEPT: DRAWING NEWMAN PROJECTIONS
Through a series of steps, we can consistently draw accurate Newman Projections to determine conformational stability.
EXAMPLE: Draw the most energetically favorable Newman Projection for CH ₃ CH ₂ CH ₂ CH ₂ CH ₃ down the C2 – C3 bond.
1. Convert problem into bond line structure
2. Highlight the bond of interest
Draw an eyeball glaring down the length of the bond
4. Surround <i>only</i> the bond of interest with <u>ALL</u> implied hydrogens
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5. Draw front carbon with 3 groups in the front and a back carbon with 3 groups in the back

6. Determine which dihedral angle would correspond

PRACTICE: DRAWING NEWMAN PROJECTIONS
1. Draw the most energetic Newman Projection of CH ₃ CH(C ₆ H ₅)CH ₃
2. Draw the most stable Newman Projection of $CH_3CH_2CH_2OH$ through the $C2-C1$ bond.