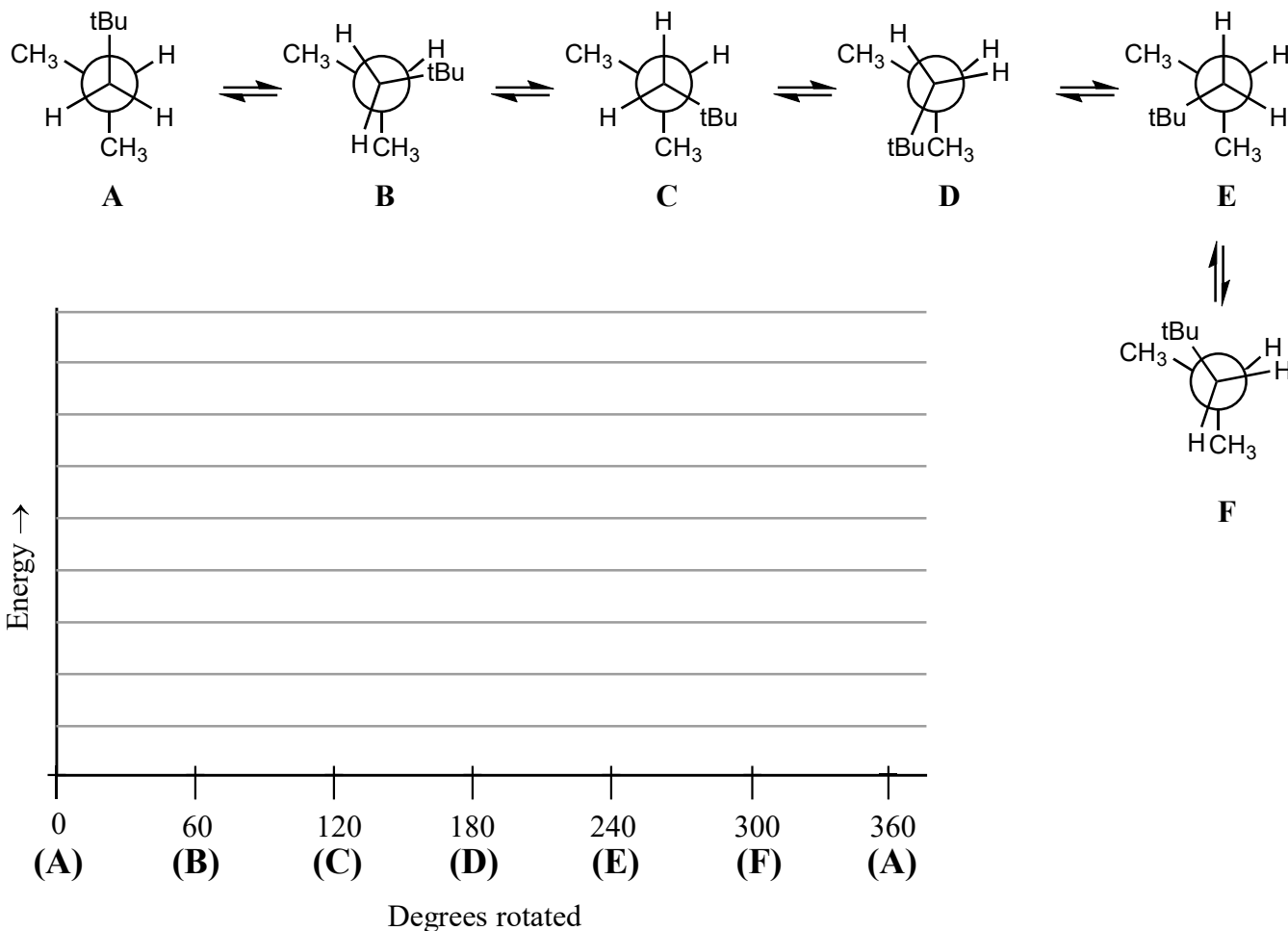


3A) (10 pts) Given the Newman projections below, sketch an energy diagram showing the relative energies of the conformers. Start with **A** at 0° and clearly label your diagram.



3B) (8 pts) In the box provided for each equilibrium, indicate which direction (forward, reverse or neither) is favored and briefly but clearly explain why. **No explain = no credit.**

