



Name:

Date:

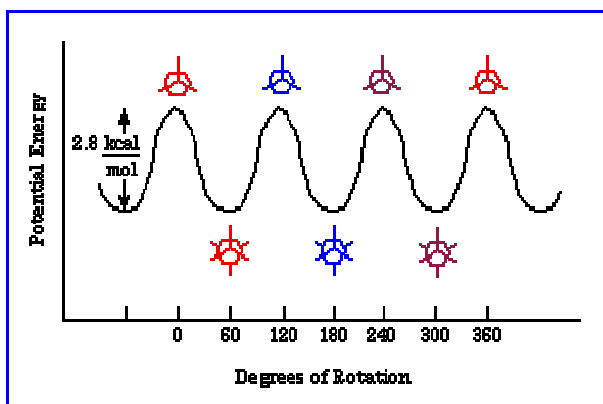
- 1) Draw a molecule of ethane on your paper and then draw it in chemdraw on your computer.
- 2) Can you write the chemical formula?
- 3) What is the molecular weight?
- 4) What is the elemental analysis?
- 5) Draw a molecule of ethanol on your paper and then draw it in chemdraw on your computer.
- 6) Can you write the chemical formula?
- 7) What is the molecular weight?
- 8) What is the elemental analysis?
- 9) Can you describe what a newman projection is and draw it in chemdraw? What is the purpose of newman projections?

10) What is the difference between staggered and eclipsed? (Please Draw in chemdraw)

11) Can you draw the newman projection of ethanol in the staggered conformation?

12) Can you draw the newman projection of ethanol in the eclipsed conformation?

13) In the energy diagram below, how does energy relate to staggered and eclipsed? Please explain.



14) Label the conformations below as staggered or eclipsed next to the number?

