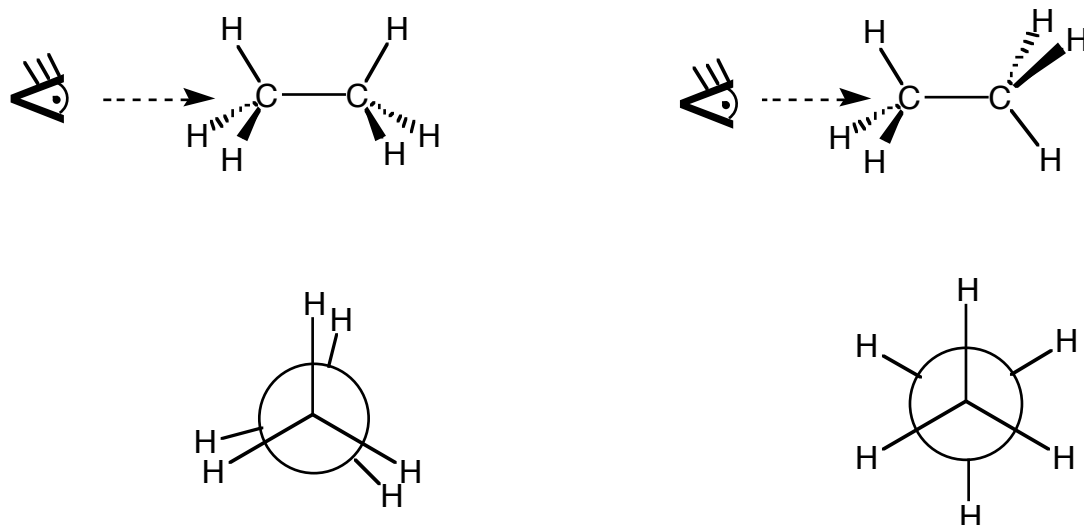


Answers to Problem 15, Chemistry 301X - 2006

a, b.



c. Staggered is lower in energy (by 2.9 kcal/mol), but I bet you said it was the result of reduced electrostatic repulsion in the staggered form. In fact, electron-electron repulsion contributes little.

d.

