

## CHAPTER OVERVIEW

### 4: Conformations of Alkanes and Cycloalkanes

[4.1: Conformation Analysis of Alkanes](#)

[4.2: Cycloalkanes and Their Relative Stabilities](#)

[4.3: Conformation Analysis of Cyclohexane](#)

[4.4: Substituted Cyclohexanes](#)

[4.5: Answers to Practice Questions Chapter 4](#)

Thumbnail: The ethane molecule spends 99% of its time in a specific conformation. The so-called staggered conformation is reached if, when the molecule is seen from a position on the C-C axis (as in the second half of the animation), the H atoms of the front C atom are exactly between the H atoms of the other C atom. (CC BY 2.5 Generic; ralk via [Wikipedia](#))

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