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Positive Chemistry Experiences

Video Practice for Topic I.16:

Conformational Analysis II: Cycloalkanes and the Chair Conformation of Cyclohexane

Recommended reading for this topic:

Lesson I.16 in *Organic Chemistry 1 Primer 2018*,
by Rhett C. Smith, Andrew G. Tennyson and Tania Houjeiry

Additional Videos and how to match videos to your course text book:

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Chair Conformation of Cyclohexane

Draw cyclohexane in the chair conformation, showing all hydrogen atoms. Clearly indicate which are axial and which are equatorial H atoms. Indicate which part of the ring is facing towards you.

Chair Conformation of Cyclohexane

Draw all of the configurational isomers of 1,3-dimethylcyclohexane in the chair conformation.

Chair Conformation of Cyclohexane

Provide the lowest energy conformation for *cis*-1-isopropyl-2-methylcyclohexane

Chair Conformation of Cyclohexane

What is the IUPAC name for the molecule shown?