

CHEM 321 Assignment to cover for 10/9 class

There are two different questions on cyclohexanes on top of your assigned homework. Please hand it in with the rest of your homework questions. The tentative due date for Chapter 5's homework is Friday (10/13). These questions are related to your homework problems but work them out systematically. Problems 5.15-5.22, and 5.35-5.40.

- 1) Draw all of the stereoisomers and possible chair conformations for dimethylcyclohexane. State the relationships between isomers and chair conformations of the isomers, label cis/trans, *R/S*, and K_{eq} (stability).
- 2) Draw all of the stereoisomers and possible chair conformations for isopropylmethyl cyclohexane. State the relationships between isomers and chair conformations of the isomers, label cis/trans, *R/S*, and K_{eq} (stability).