

Chem 109A
Prof. Bode
Fall 2005, MWF 11-12

Name _____

Perm No. _____

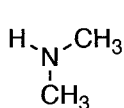
Quiz 2 (33 points)

1. How many stereoisomers are there for 1,2,4-trichlorocyclohexane? (5 points)

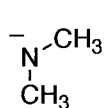
2. Draw all stereoisomers of 1,2,4-trichlorocyclohexane. Draw arrows between those structures that are enantiomers of each other. (20 points)

3. Rank the following compounds: (8 points)

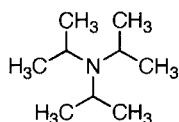
(a) In order of nucleophilicity:



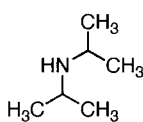
A



B



C



D

least

<

<

most

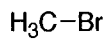
(b) In order of electrophilicity



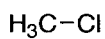
A



B



C



D

least

<

<

most