

Scan

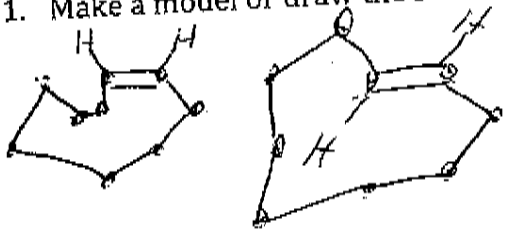
Post

Name: Answers

Date: _____

Chem211
September 24th problems
Nerz
Fall 2010

1. Make a model or draw the structure of Z- and E-cyclodecene



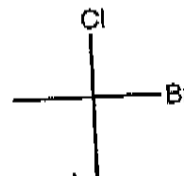
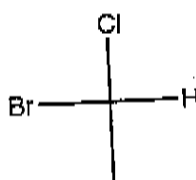
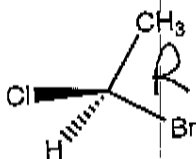
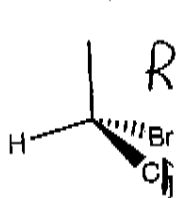
Can't draw E
too strained

2. Make a model or draw the structure of Z- and E-cyclobutene.

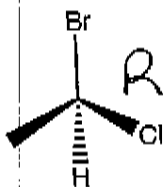
3. Draw the structure of cis and trans-1, 4-dimethylcyclohexane



4. What is the relationship between pairs of the following molecule (use Cahn-Ingold-Prelog).



No relationship
different
formal

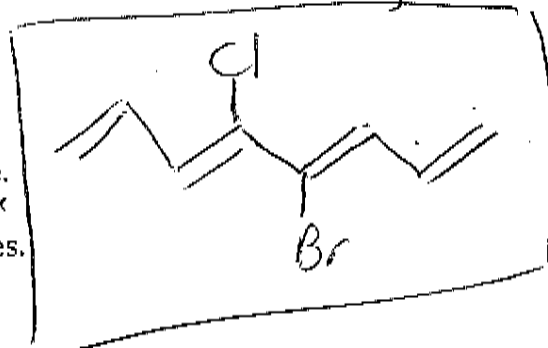
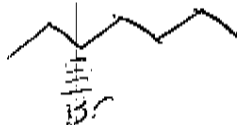
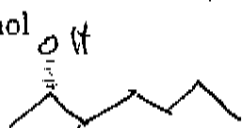


4-bromo-3-chloro
octatetraene

5. Write the structure of the following molecule.
4-chloro-4-bromo-1,3Z, 5Z, 7-octatriene. ~~trans~~

6. Write the structure of the following molecules.
R-3-bromoheptane

S-2-heptanol



Write the above structures in Fischer Projections.

