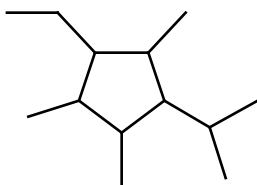
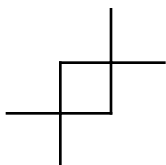


Chemistry 2521; Fall 1999; Quiz 3

Printed Name (Last, First) _____

1. (9) Give either the **IUPAC name** or the **correct structure** for each of the following compounds:

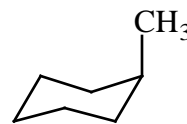
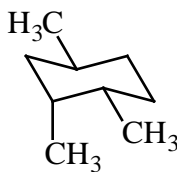
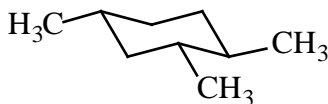
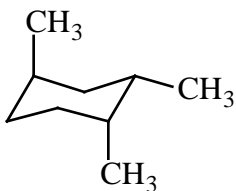


2-methylbicyclo[3.3.0]octane

2. (6) Draw **Newman projections** of the *most stable* and the *least stable conformations* of **1,2-dichloroethane**, $\text{ClCH}_2\text{CH}_2\text{Cl}$:

3. (5) Make a three dimensional drawing of the **most stable** chair conformation of **chlorocyclohexane**:

4. (3) Circle the conformation that has the lowest **1,3-diaxial interaction**:



5. (2) Circle the compound that has the functional group of a **ketone**:

2-propanone

methanal

propene

cyclopropanol

ethanol

1-hexyne

heptanoic acid