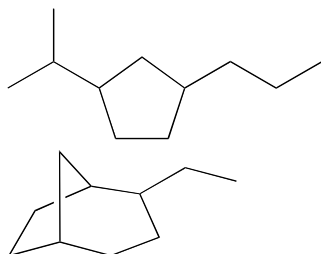


Chem 2521; Fall 2005; Quiz 3

Printed Name (Last, First): _____

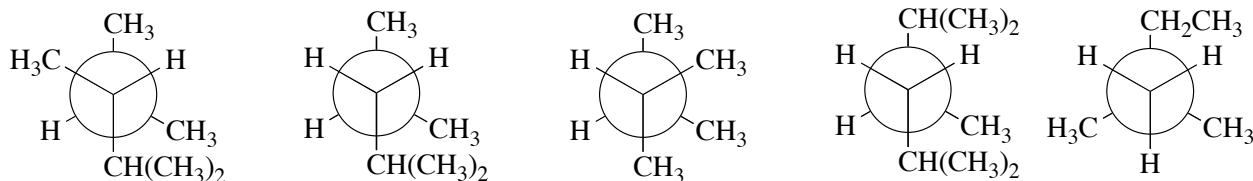
SIGNATURE (required): _____

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

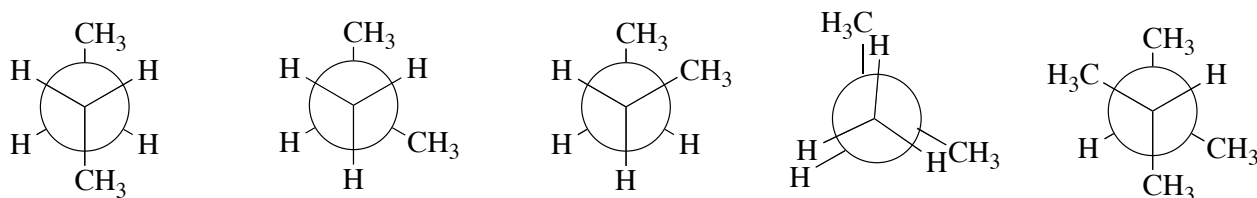


8-ethyl-1-methylbicyclo[4.3.0]nonane

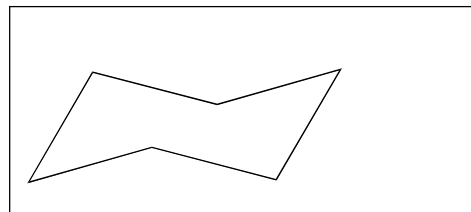
2. (4) Which of the following Newman projections represents 2,4-dimethylpentane?



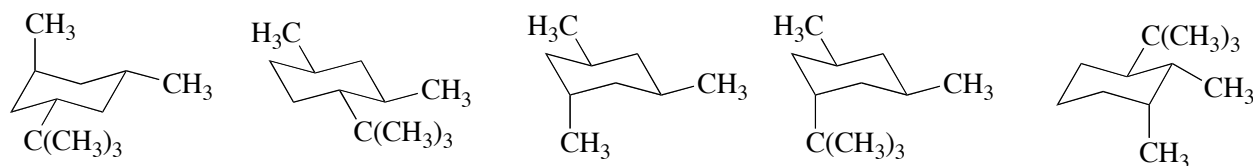
3. (2) Which of the following Newman projections represents the *gauche* conformation of butane?



3. (3) Finish a three dimensional drawing of the **most stable chair conformation** of **methylcyclohexane**:



4. (4) Circle the conformation that has the *largest* **diaxial** interactions:



5. (3) Circle the compound that has a **triple bond** in the parent chain:

2-pentynal propanone butylcyclohexane propenal ethanol 3-hexenol butanoic acid