ALKANES AND ORGANIC STRUCTURES 2 WORKSHEET 1

1. Draw the following conformations of 1,2-dichloroethane (ClCH2CH2Cl) and label as eclipsed, staggered anti or staggered gauche.

2. Name the following compounds (using trivial group names if needed):



a) b)

3. Put a star next to the chiral carbons (if any) in the following. If none, say so!

a) CH3CH2CHClCH3 b) 3-methylhexane

c) 2-bromopropane d) methylcyclohexane

e) 1,3-dimethylcyclohexane

4. Draw the two enantiomers of 2-bromobutane (you can use abbreviations) using wedges/dotted lines and label your drawings as R or S.