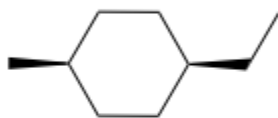
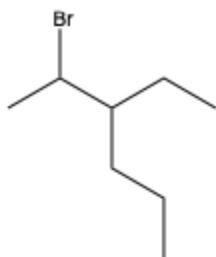


CHEM 2300 SI Session 2

1. Name or draw the following compounds

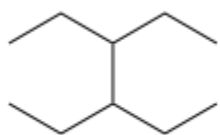


4-*tert*-butyl-5-isopropyloctane

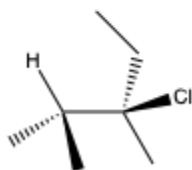
cis-1-bromo-2-methylcyclopentane

2. Write out all of the hydrocarbon names from one carbon to ten carbons.

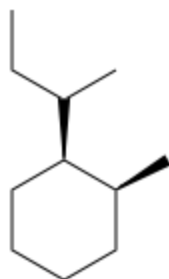
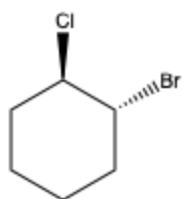
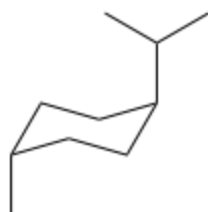
3. Rank the following from lowest boiling point to highest boiling point.



4. Draw the staggered newman projection of the following compounds. Are these isomers and if so what kind?



5. Draw either the flat drawing or the chair drawing for the following cyclohexane molecules. Are the chair drawings in their most stable conformation? If not, draw them in their more stable conformation (even the ones I gave you might not be in their most stable form).



6. Draw a plausible initiation, propagation, and termination mechanism for the monobromination of 2-methylpropane. How many major products (excluding byproducts) are possible?