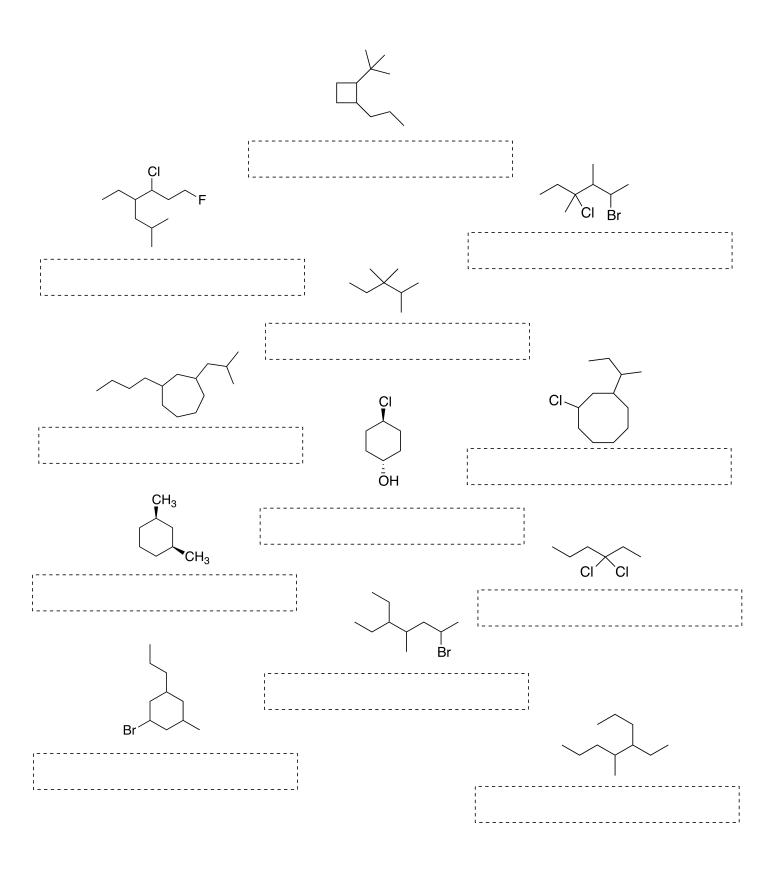
CEM 251, Problem Set 2: Chapter 2

1. Provide IUPAC names for the following structures:



2. Provide the correct structures for the follo	owing names:
1-bromo-2,2-dimethylpropane	1,1,1-trichloro-3-ethyl-5-methyloctane
4-(1-methylethyl)nonane	3-hydroxy-2-methyl-5-nitrohexane
A control disconnectional brackers	cis-1,3-dimethylcyclobutane
1- <i>sec</i> -butyl-4-isopropylcycloheptane	cis-1,5-dimetriyicyclobutarie

trans-1-amino-2-iodocyclohexane

5-butyl-3-isobutyl-1-pentyl-4-propylcyclohexane

3.	3. Draw the most stable I	Newman projection of 1,	2-dibromoethane.	
4.	. Draw the most stable N	lewman projection of pe	ntane looking down the	C2-C3 bond.

5. Draw the two	chair	conformere	of 1	-bromocycl	havana s	and indicate	which c	na is mar	a etahla.

6. Convert the following stick structure to the appropriate chair conformer(s).



