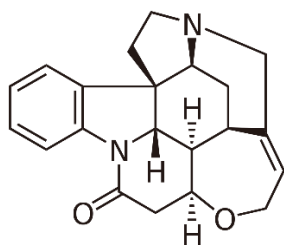
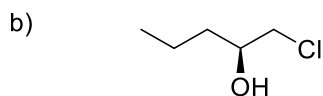
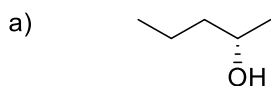


1. Draw all the staggered and eclipsed conformations that result from the rotation of C2-C3 bond of pentane.
2. Draw the cyclohexane in chair form with all the hydrogens in their equatorial and axial orientations properly.
3. Draw the 1-methylcyclohexane in Newman projection.
4. How many stereocenters are in the following molecule.



5. Indicate the absolute configuration (R/S) of the following molecules.



6. The observed rotation of 1.0 g of a compound in 50 mL of solution in a polarimeter tube 50-cm long is What is the specific rotation of the compound?
7. How many stereoisomers are possible for the following compound.

