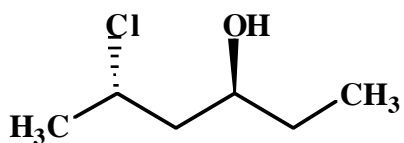


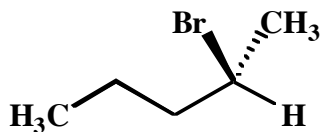
Week 6 Group Questions

1. Place a star next to every chiral carbon for both of the following compounds. Use the Cahn-Ingold-Prelog convention to determine whether each chiral carbon has an (*R*) or (*S*) configuration.

a.

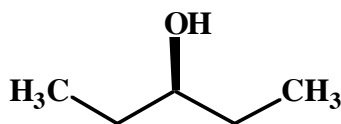


b.

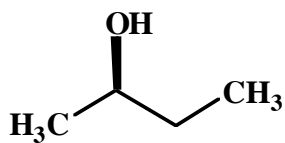


2. Draw the mirror image of each of the following compounds. State whether the mirror image is an enantiomer or is another view of the same compound.

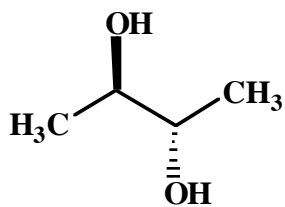
a.



b.

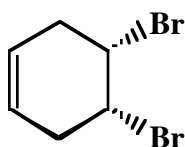
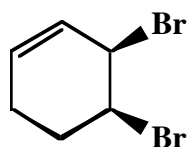


c.

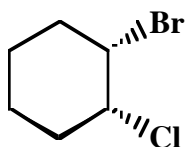
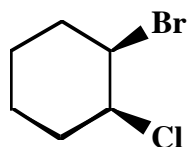


3. State the relationship between each of the following pairs of structures (identical, enantiomers, diastereomers, structural isomers, different compounds that are not isomeric).

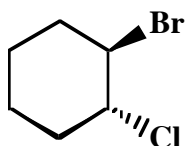
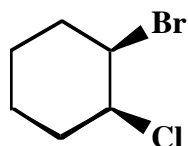
a.



b.

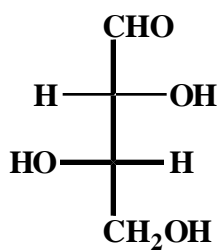


c.



4. Draw zigzag line-angle formulas that correspond to the following two Fischer projections.

a.



b.

