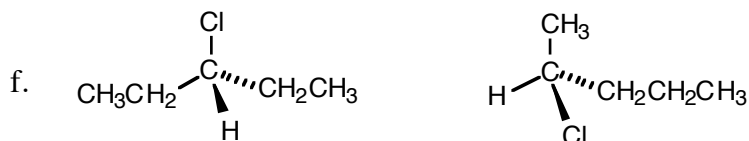
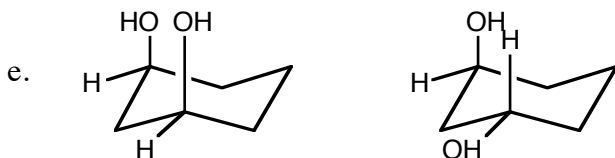
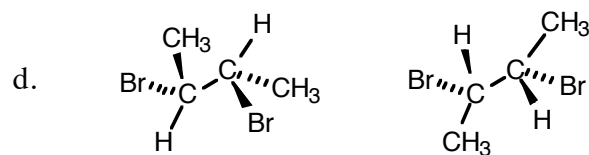
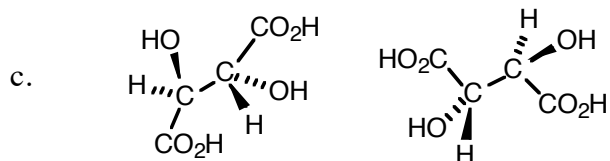
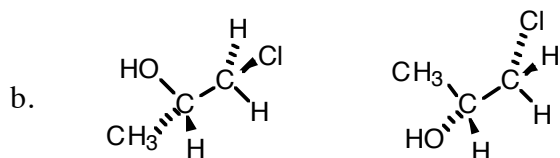
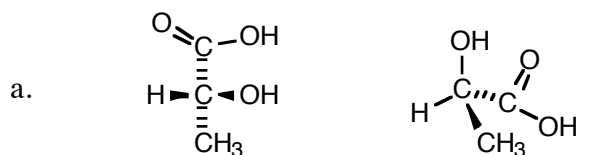


## WORKSHOP 7

*Stereochemistry*

1. Tell whether the compounds in each of the following pairs are **non-isomeric**, **identical**, **constitutional isomers**, **enantiomers**, or **diastereomers**. Also, assign **configuration (R or S)** to all stereocenters. Identify the **optically active (chiral)** compounds. Identify any meso compounds. Make molecular models of these compounds to confirm your assignments.



2. For each of the following reactions, predict whether the product will be optically active, a racemic mixture or achiral. **Explain your choice.**

