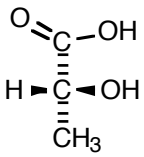
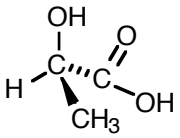
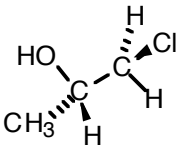
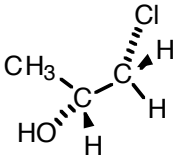
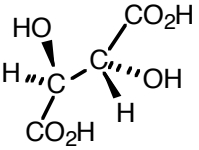
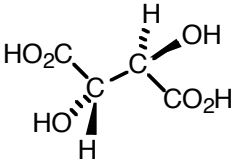
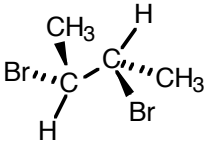
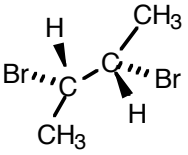
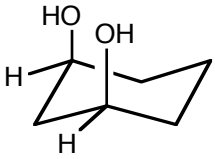
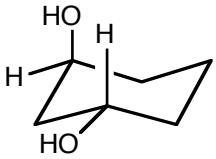
Names: _____ Section: _____

Chem 226 / Dr. Rusay
Stereochemistry I: Worksheet #9

Circle all of the chiral carbon atoms in each of the following structures. Classify the compounds in each of the pairs as **identical**, **constitutional isomers**, **enantiomers**, or **diastereomers**. Circle any structure that has an internal plane of symmetry. Using the priorities established for E- and Z- isomers assign a **configuration (*R*- or *S*-)** to each of the stereocenters (chiral carbon atoms). Make molecular models to confirm your assignments if necessary.

			Classification
a.			
b.			
c.			
d.			
e.			
f.