1. Draw mirror images for these molecules and label the stereocenters with R and S.
   a. 
   b. 
   c. 
   d. 

2. Following is an eclipsed conformation for one of the enantiomers of 2-butanol.
   a. Is this (R)-2-butanol or (S)-2-butanol?
   b. Draw its enantiomer.

3. Label the four stereocenters in amoxicillin with an asterisk, which belongs to the family of semisynthetic penicillins.

4. Draw all of the stereoisomers of the carbohydrate below. Label each stereocenter with an R or an S and clearly indicate enantiomers, diastereomers and meso compounds.

Enantiomers: 1&2; 3&4
Diastereomers: 1&3; 2&3; 2&4