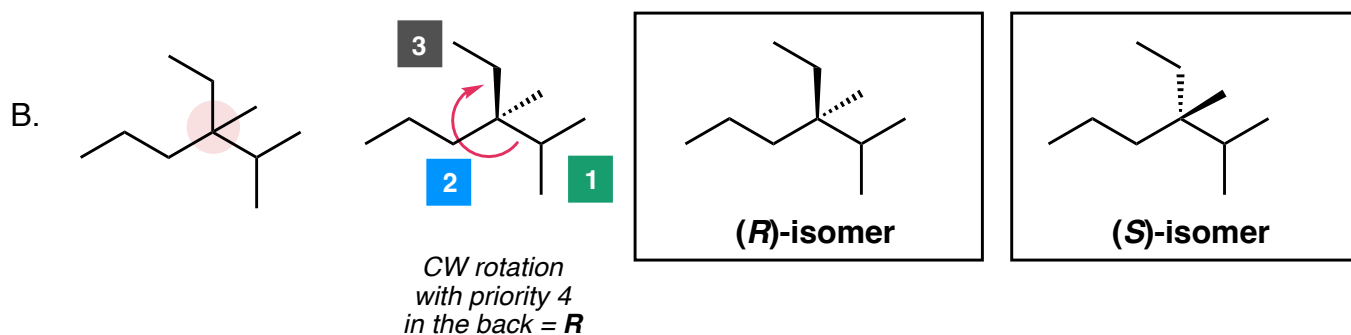
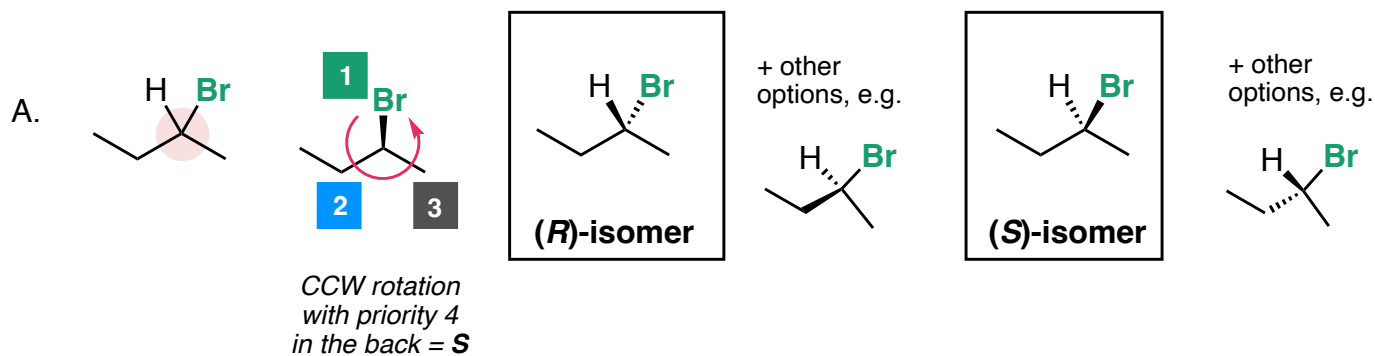
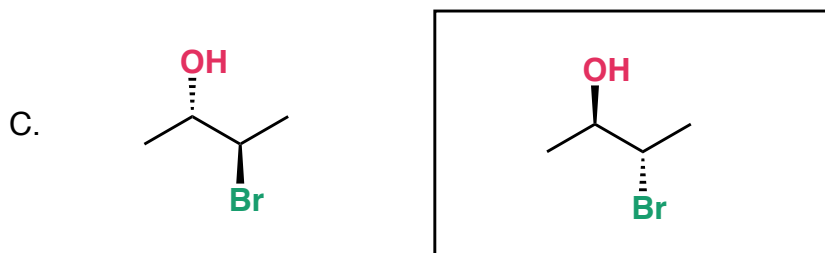
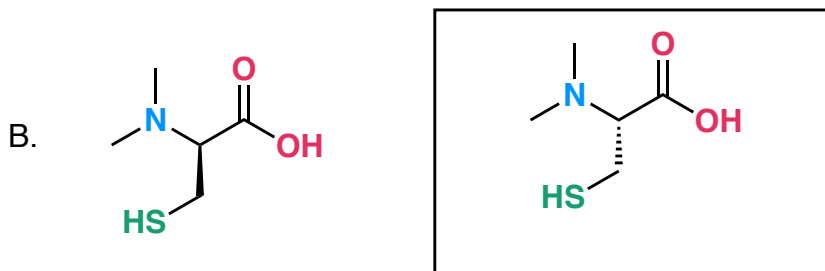
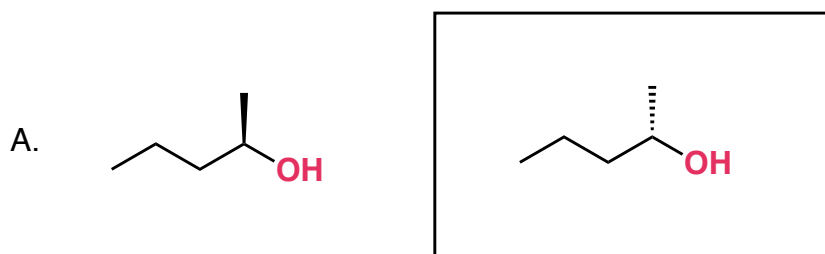


Drawing Chiral Molecules and Defining Isomeric Relationships

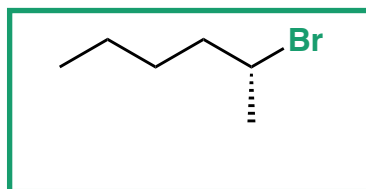
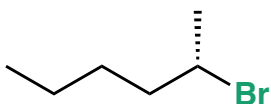
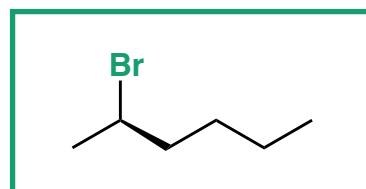
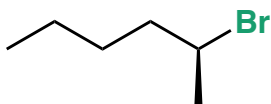
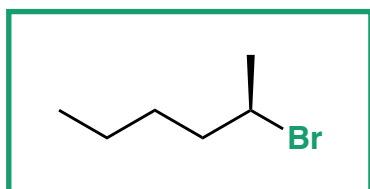
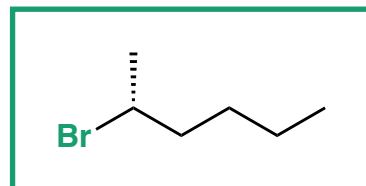
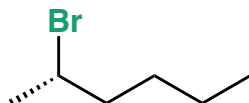
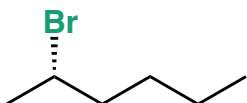
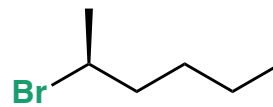
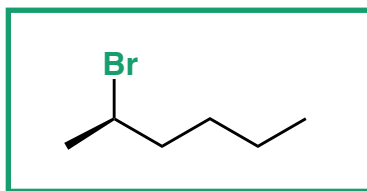
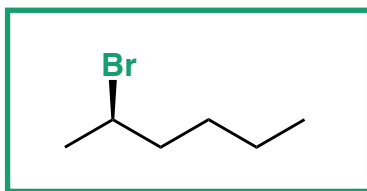
1. Draw the (R) and (S) enantiomers of each molecule below, each containing only one chiral center (highlighted for you)



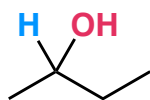
2. Draw the enantiomer of each chiral molecule below.



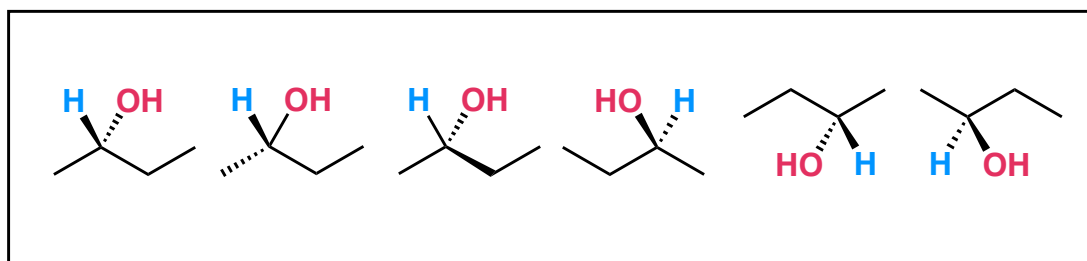
3. **Select all** of the molecules below that are (*R*)-2-bromohexane.



4. Draw **three different orientations** of (*S*)-2-butanol



2-butanol



5. Use the flowchart to determine the relationship between the pairs of molecules below.

