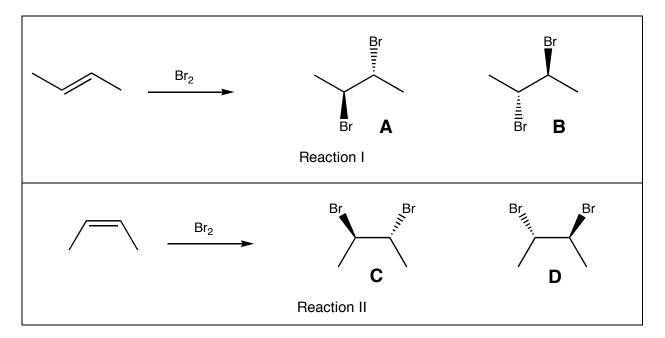
Quiz 3



- 1. Place an asterisk next to all the chiral centers on all of the molecules.
- 2. Determine the configuration (their "R-" or "S-ness") of all of the chiral centers.
- 3. What is the relationship between molecules A and B in Reaction I; that is, are they enantiomers (nonsuperimposable mirror images), diastereomers (nonsuperimposable molecules that are not mirror images), or are they the same molecule?
- 4. What is the relationship between molecule C and D in Reaction II; that is, are they enantiomers (nonsuperimposable mirror images), diastereomers (nonsuperimposable molecules that are not mirror images), or are they the same molecule?
- 5. Drawn below are the intermediates for the two reactions. Which intermediate belongs with which reaction?

