2. Draw three more good resonance structures for the anion shown. Show electron-pushing arrows which convert the first to the second and so on. It might help to put in the hydrogens.

1. Define the word "chiral". It should only take one sentence.
   Non superimposable or non congruent with its mirror image or molecules that can exist as enantiomers.

3. Indicate R or S for each stereogenic center.

4. Draw (S,S)-1,3-dimethylcyclohexane.

5. Give the product(s) of the following reaction.

6. Circle the most acidic compound. Put a box around the least acidic.