Today

Next Class

1

Sections 4.3 - 4.8 Chirality Sections 4.9-4.14 Optical activity and compounds with more than one center of chirality







Drawing Chiral Molecules

- 1. Draw a tetrahedral C atom
- 2. Assign priorities to the groups
- 3. Place the lowest priority group so that it points away
- 4. Draw in priority groups 1 through 3 in the correct (clockwise or counterclockwise) orientation.

R-2-butanol

[3]



Section 4.7

6,1,1

2

Drawing Chiral Molecules (How you really do it)

- 1. Draw the molecule
- 2. Assign priorities and check if the correct configuration is drawn
- 3. a. If correct, celebrate, you're done
- 3. b. If incorrect version is drawn, redraw molecule shaping the positions of 2 (and only two) substituents.
- R-2-chloropentane

(2S,3S)-2-bromo-3-chloropentane





Section 4.7

1. Draw the molecule

2. Assign priorities and check if the correct configuration is drawn

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(2S,3S)-2-bromo-3-chloropentane

E+Z are for stereo isomers(diastreamers) of double bonds R+S are for configurations of chiral atoms



17,6,1