

CHAPTER 6: Stereochemistry

I. Isomers Revisited

A. Family Tree #1

B. Family Tree #2

II. Stereoisomers Revisited

A. Enantiomers

1. Examples

a. "Real World"

b. Molecules

1. Naming: Absolute Configuration

2. Key Terms

a. Chirality

b. Optical Activity

c. Racemic Mixture

B. Diastereomers

1. Two Stereocenters

a. Relationship?

b. Assign Configuration

c. Number of Stereoisomers Possible?

2. Just when I thought I had it all figured out.. Meso Dias

C. Importance of Stereochemistry

1. Reactions

a. No Stereocenter Created

b. Stereocenter Created

c. Create Two Stereocenters

2. Biology