

**CHE 102 – Review – E4 –Stereochemistry**

	<b>Constitutional</b>	<b>Cis/Trans</b>	<b>Diastereomers</b>	<b>Enantiomers</b>
<b>Example:</b>				
<b>Same:</b>				
<b>Different:</b>				

2. Vocabulary: Define each word and provide an illustrated example.

<b>Normal Light vs. Plane Polarized Light:</b>	<b>Optical Rotation (and Levorotatory and Dextrorotatory):</b>
<b>Chiral molecule:</b>	<b>Achiral Molecule:</b>
<b>Fischer Projection: Rules and example. How do you tell if the molecules are the same or different?</b>	<b>Meso Compound:</b>
<b>Racemic Mixture:</b>	<b>Why is the study of stereochemistry important?</b>