

Lecture 26.2 Polarimetry

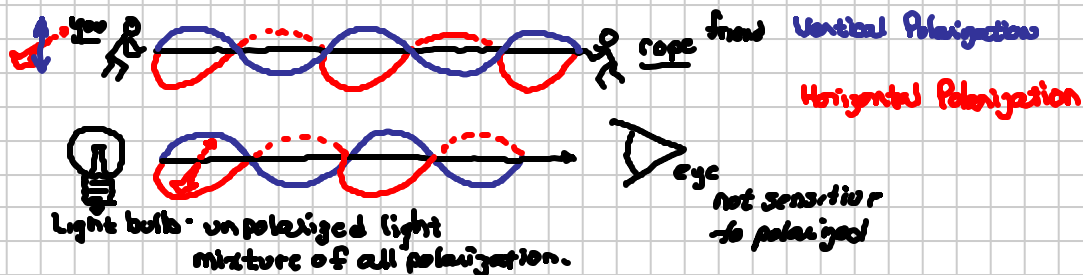
Note Title

4/15/2012

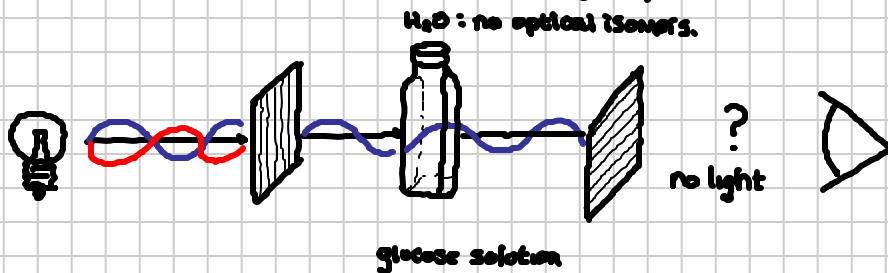
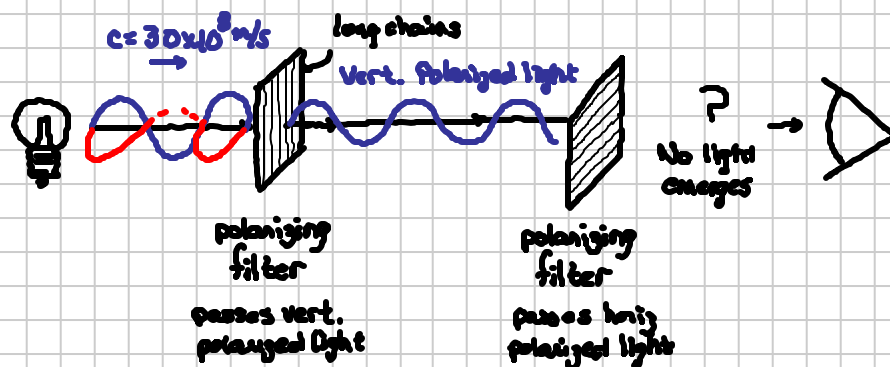
Optical Isomers interact with light differently.

- One enantiomer rotates the polarization of light clockwise.
- The other enantiomer rotates the polarization counter clockwise.

Light: Electromagnetic wave



Polarimeter



Racemic Mixtures.
counteract
cancel out.
No rotation obs.

glucose rotates polarization R (CW) dextrarotatory D
fructose rotates polarization L (CCW) levorotatory L