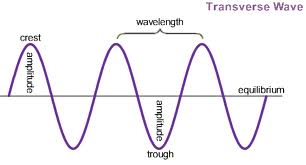
Review page 30 in textbook

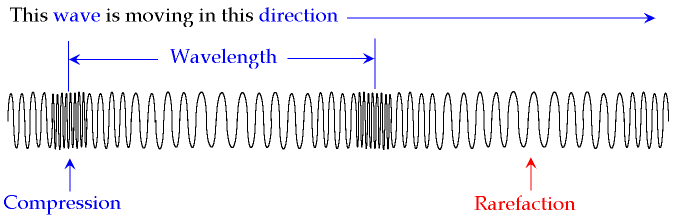
**Key Topics**

* Be able to describe how energy travels by waves
* Mechanical waves need a medium to transfer the energy from one place to another
* Mechanical waves are classified by movement and can be transverse waves or longitudinal waves
* Know the parts of a transverse wave (pg. 8)
  + Crest, trough, amplitude, wavelength, resting point
* [](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&docid=ZFmx9AjhD83TgM&tbnid=ngU_tCDq_Lh84M:&ved=0CAcQjRw&url=http://dev.physicslab.org/Document.aspx?doctype%3D3%26filename%3DWavesSound_IntroductionWaves.xml&ei=zrAyVMepKabLsATF84CgDw&bvm=bv.76802529,d.cWc&psig=AFQjCNFSYF61_SNRJmODi8aRyF6kob2QLA&ust=1412694588322576)

Resting Position

* Know the parts of a longitudal wave (pg. 10)

Compression, Rarefaction



* Be able to define the four basic properties of a wave

Wavelength, Frequency, Amplitude and Speed

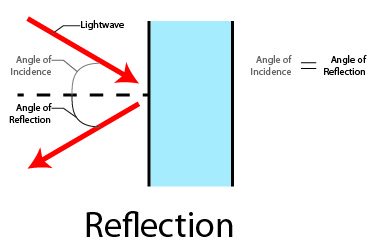
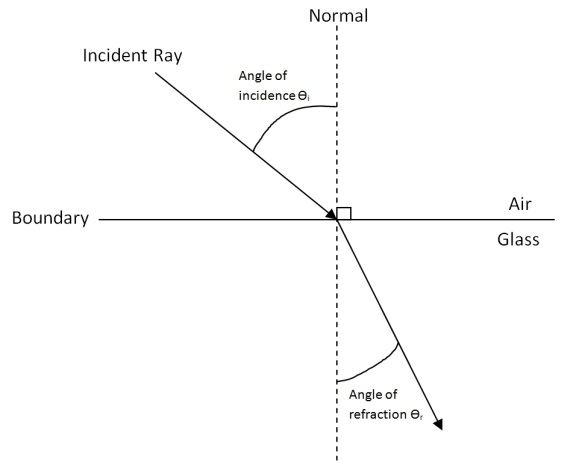
* Know the speed formula (S=W x F )

WAVELENGTH =

FREQUENCY =

Speed = Wavelength x Frequency

* Be able to recognize the difference between reflection and refraction and diffraction



**Refraction**- When a wave enters a new medium at an angle, one side of the wave changes speed before the otherside, causing the wave to bend. (Think the angle of a straw in water.)

**Reflection** – When an object or a wave hits a surface through which it cannot pass, it bounces back. (Think a ball bouncing off a wall)

Items to help you study

-Textbook, Notes, Teacher website (sample test, PowerPoint notes, websites) Cheat Sheet (index card) Homework/ Quizzes/ Worksheets