Study Guide 4th Grade “HEAT”

Fun Quiz 3/30/11

Quiz yourself with your vocabulary flash cards.

Read over your notes.

Review your sticky-note main points from the chapter pages.

Big Ideas to Understand:

* Light is Energy
* All the wavelengths of light are the Electromagnetic Spectrum—visible light is only a small part of it
* Visible light can be separated by a prism into colors, ROY G. BIV
* Long wavelengths (radio waves for example) have low energy but short wavelengths (ultraviolet radiation for example) have high energy
* Reflected light bounces, Refracted light bends
* Your eye focuses reflected light onto the back of it and the image is upside down
* Opaque things block light completely, Transparent things scatter light, and Transparent things let light pass through.

What you should be able to do:

* Draw and eye and show the reflected light and the image (like p. 555)
* Match wavelengths to amounts of energy
* Put the electromagnetic spectrum in order like in your notes
* Tell the correct order of the colors in the visible spectrum
* Identify transparent, translucent and opaque objects