**Guided Notes for Light Vocabulary**

* ***Visible Light:***The \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ we can \_\_\_\_\_\_\_\_\_. Made of many \_\_\_\_\_\_\_\_\_\_\_\_.Light waves travel in straight \_\_\_\_\_\_\_\_\_\_.
* ***Radiant Energy:***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ given off by the sun. Travels in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Another name for “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.”
* ***Absorb:***When light waves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a substance and change into other \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of energy.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ colors absorb \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ light.
* ***Reflect:***When light waves \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_off something else.Example: \_\_\_\_\_\_\_\_\_\_\_\_
* ***Refract:***When light waves \_\_\_\_\_\_\_\_\_\_.Light waves are refracted as they pass through \_\_\_\_\_\_\_\_\_\_\_\_.
* ***Scatter:***When a wave is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ different directions by collisions with particles of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* ***Spectrum:***\_\_\_\_\_\_\_\_\_\_\_\_\_ light is made up of all the colors of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* ***ROY G BIV:*** The colors of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.Red, Orange, Yellow, Green, Blue, Indigo, Violet*.* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has the longest wavelength and bends the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has the shortest wavelength and bends the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* ***Prism:***A piece of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_ that bends light waves.
* ***Opaque****:* An object that \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ allow \_\_\_\_\_\_\_\_\_\_\_\_\_\_ waves to pass through it.You \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ see through these objects.
* ***Translucent:***An object that allows a \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_to pass through it.You can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ see through these objects.
* ***Transparent:***An object that allows light waves to \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ it.You can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through these objects.

