**Light Vocabulary Notes**

**Visible Light:** The wave energy \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Made of many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Light waves travel in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Radiant Energy:** Energy given off by the \_\_\_\_\_\_\_\_\_. Travels in waves. Another name for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Absorb:** When light waves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a substance and changes into other forms of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ colors absorb more light.

**Reflect:** When light waves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of an object.

**Refract:** When light waves \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Light waves are refracted as they pass through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Scatter:** When light waves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in many different directions, instead of travelling in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, after coming in contact with a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Visible Light Spectrum**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is made up of all the colors of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**ROY G BIV:** Each color of the rainbow (red, orange, yellow, green, blue, indigo, violet) has its own range of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Red has the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ wavelengths. And violet has the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ wavelengths.

**Prism:** A piece of glass or plastic that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ light waves and separates the light into the different colors. In nature, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ acts as a prism.

**Opaque:** An object that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ allow light waves to pass through it. You \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ see through these objects

**Translucent:** An object that allows \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ light waves to pass through it. You can \_\_\_\_\_\_\_\_\_\_\_\_\_\_ see through these objects.

**Transparent:** An object that allows light waves to pass through. You can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ these objects.