Light Waves

* How does light travel?
* How does light react to different objects and substances?

Vocabulary

* light waves
* electromagnetic spectrum
* angle of reflection
* angle of incidence
* reflect / reflection
* refract / refraction
* absorb / absorption

Movement of Light

* Light travels in the form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_waves
* Light spreads out in all directions from its \_\_\_\_\_\_\_\_\_\_\_
* Light travels in straight lines called rays
* Light travels at the “speed of \_\_\_\_\_\_\_\_\_\_\_\_”186,282 miles per second or 299,792 kilometers per second
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Reflection

* Reflection happens when light waves bounce off a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Refraction

* Refraction happens when light \_\_\_\_\_\_ speeds and/or is bent (traveling from air to water)

Absorption

* Absorption of \_\_\_\_\_\_\_\_\_\_happens when atoms in an object absorb (take in and hold) the \_\_\_\_\_\_\_\_\_\_\_waves.

For example: You are able to see a red apple because all of the other light \_\_\_\_\_\_\_\_\_\_\_ are absorbed

but red is reflected to your eyes.