

Name _____ Date _____

Light Energy Vocabulary

transparent photon photosynthesis
186,000 mph opaque refraction translucent
reflection absorption radiant energy
bioluminescent electromagnetic radiation

Write the correct vocabulary word for each definition.

- 1) smallest unit of light energy
- 2) objects through which light can be partially seen
- 3) when light bounces off an object
- 4) light energy is also called this
- 5) objects through which light cannot be seen
- 6) when light hits dark objects its energy is taken in
- 7) the speed of light
- 8) light energy is a form of this
- 9) objects through which light can be clearly seen

- 10) when light slows down and sometimes bends
- 11) creatures and humans that give off light
- 12) process by which plants use light energy to make their own food

Light energy travels in waves but it is unique because it can act like a particle of matter or a wave depending on what obstacle is in its path. Like a particle, light will change its path as it bends or bounces off certain objects. Yet, it will act like a wave and travel straight through objects which let it do so. Light energy is also unique because it travels in wavelengths that can be seen by the human eye. It is the only form of energy to do so.

- 13) Light energy is:
 - a) the same as all other energy
 - b) different from all other energy
 - c) the paragraph does not say
- 14) Light energy acts like:
 - a) a straight-traveling wave
 - b) a particle of matter
 - c) both a particle and wave
- 15) Light energy travels:
 - a) just like sound and other forms of energy
 - b) in waves that can be seen by humans
 - c) in no unique way that is written about