

Name _____

Light - Cornell Notes Study Guide

Vocabulary Definitions

absorb	to take in
energy	the ability to cause matter to change or move
lens	an object or material that refracts light
light	energy that you can see; it travels as waves in a straight line
shadow	an area where light does not strike the ground
opaque	not allowing light to pass through
translucent	allows only some light to pass through; this material scatters light in many directions
transparent	allows most or all light to pass through
prism	a transparent object that separates white light into all the colors of the rainbow
reflect	to bounce off
refract	to bend from a straight path, as light ray through a lens

1. How do you see the objects around you?	You see objects around you when light bounces off objects into your eyes.
2. Name 2 opaque objects.	Various answers MUST not allow light to pass through.
3. Name 2 transparent objects.	Various answers must allow ONLY SOME light to pass through.
4. Where should you hold your pencil to produce a clear, sharp shadow on a wall?	You should hold your pencil close to the shadow to produce a clear, sharp shadow.
5. What two (2) surfaces create a reflection?	Smooth, shiny surfaces like a mirror, or still water.
6. Why does a pencil placed in a glass of water look broken?	The water refracts light causing the pencil placed in the glass of water to look broken.
7. What happens to sunlight after it strikes a green, Buford sweatshirt?	The sweatshirt absorbs all colors of light except green. It reflects green.
8. What colors do white objects reflect when light strikes them?	All colors
9. How are prisms and raindrops alike?	Both prisms and raindrops separate white light into the colors of the rainbow.