

Bill Nye: Light Optics Video Guide



1. This program has been brought to you by _____.
2. Without it, you couldn't _____.
3. When light hits a mirror, it gets _____ and what you see is what was returned to your eyes!
4. When light goes through a window some of the light goes right _____ it.
5. When _____ travels through different mediums of different densities, the light gets bent or _____.
6. In both, reflection and _____, the light _____ direction.
7. When light travels it can be refracted, _____ or _____ by the object.
8. There are different kinds of lenses:
9. A _____ lens curves inward like a cave.
10. A _____ lens "bows" outward.
11. When you look in a mirror, you are not seeing the "real you" but a _____ of yourself. Light bounced or _____ off the mirror and travels to my eye.
12. The can under the water appeared to be in a slightly different location due to light being _____ because light went from air to water and changed mediums. The pencil appeared to be bent at the point where it changed _____.
13. Greenhouses use glass to let _____ light in because plants need certain wavelengths in this area of the spectrum. In addition, the glass reflects _____ that is the portion that helps keep the greenhouse warm. Light that bounces back is the _____ that we see!!!
14. Modern day telephones now use _____ fibers to send the messages.
15. Light can be _____, or _____ or absorbed by an object.