

Bill Nye - The Science Guy: Light Optics

1. Light can be: _____

2. When light hits a mirror, it gets _____ to your eyes.
3. If light hits a curved piece of glass, the light will be _____.
4. The definition of **refraction** is: _____
5. Eye glasses and microscopes work because of _____.
6. When light is reflected or refracted it changes _____.
7. Penn & Teller: Light travels in a _____ line unless it hits something.
Light can be _____, _____, or _____.
8. Scientists like to think that light travels in _____.
9. When waves slow down, they change _____.
10. The way a mirror is curved affects the way it _____ light

Draw a diagram of a **concave** mirror.

Draw a diagram of a **convex** mirror.

- Things look _____ in a **concave** mirror. **Convex** mirrors makes things look _____.
11. What shape of the lens in your eyes? _____
 12. What is the focal point of a curved lens? _____
 13. What is Internal Reflection? _____
 14. Surgeons use _____ to view inside the body.