**Questions from Bill Nye Light Optics Video**

1. Light can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , light can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and light can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Eye glasses and microscopes work because of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Scientists like to think that light travels in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What kind of light does your remote control for your television use? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The way a mirror is curved affects the way it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ light
6. Draw a diagram of a ***concave mirror***. 7. Draw a **convex mirror**.
7. Things looks \_\_\_\_\_\_\_\_\_\_\_\_ in a concave mirror. 8. Things look \_\_\_\_\_\_\_\_\_\_\_ in a convex mirror
8. What shape is your eye? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. What medical procedure uses fiber optics? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. What is Internal Reflection?

**Try the following quiz that is based on information presented in the video.**

1. We see objects because light is reflected from them. T / F
2. When light bounces straight off a surface, we say that it is refracted. T / F
3. When light is bent, it changes direction. T / F
4. Light travels in waves. T / F
5. When light waves slow down they change direction. T / F
6. Convex lenses make things look smaller and farther away. T / F
7. Mirror images are formed by light from the object’s right side reflecting from the right side of the mirror and light from the object’s left side reflecting from the left side of the mirror. T / F
8. Which of the following is NOT a true statement regarding light? Light can be...
   1. Absorbed b. abstracted c. bent d. reflected
9. Which of the following refract light?
   1. Eye glasses b. Microscopes c. Telescopes d. All of the above