

What Happens When Light Hits an Object?
(Chapter 4 Lesson 2)

1. What do the terms transparent, translucent, and opaque mean? Give examples of transparent, translucent, and opaque materials.

2. Explain the terms transmit, absorb, and reflect. Give example of each of these things happening.

3. What happens when light rays hit a smooth shiny object, like a mirror?
What is the result of light hitting a smooth shiny object?

4. What happens when light rays hit a rough surface, like a painted wall?
What is the result of light hitting this rough surface?

5. Why do objects appear broken when viewed half in and half out of water?

6. Describe a convex lens and tell how it refracts, or bends, light.

7. Describe a concave lens and tell how it refracts, or bends, light.

E.C. Draw and label both a concave and convex lens.