



Name _____ Date _____

Light Energy Pre – Post Poll

Choose the most correct answer.

- _____ 1. You would like a window in your bathroom that would let in light but allows you to have your privacy. Which type of material would you use?
- A. Opaque
 - B. Transparent
 - C. Translucent
 - D. Conductive
- _____ 2. If all the colors are mixed together, what color do they make?
- A. Black
 - B. White
 - C. Gray
 - D. Brown
- _____ 3. Which of the following travels the fastest?
- A. White light
 - B. A loud sound
 - C. An explosion
 - D. Sound in a solid
- _____ 4. A beam of light enters hits a mirror at a 30° angle. At what angle does it leave the mirror?
- A. 45°
 - B. 60°
 - C. 30°
 - D. 90°
- _____ 5. When light from the sun hits a tree, it cannot pass through it. What happens?
- A. The light is refracted.
 - B. The light is reflected.
 - C. The light creates a shadow.
 - D. Both B and C.

_____ 6. A lens that can make objects bigger is called a.....

- A. concave lens.
- B. prism.
- C. convex lens.
- D. image.

_____ 7. When light bounces off a substance, what happens?

- A. Light is refracted.
- B. Light is absorbed.
- C. Light is reflected.
- D. The object disappears.

_____ 8. What do light waves do as they pass from one transparent material to another?

- A. Bend.
- B. Disappear.
- C. Reflect.
- D. Bounce off.

Short answer. (2 point question.)

9. Explain how a drop of water can act as a magnifying lens.
