

Light Part 2

State whether the following statement is true or false.

1. Diamonds are sparkly, because the light speeds up when it passes through it.

- ☐ True
☐ False

2. The smoother the surface of an object, the images from the light on the object will be sharper.

- ☐ True
☐ False

Choose the correct answer.

3. Which of the following do waves carry?

- ☐ Matter
☐ Energy

4. The two main properties of light are _____ and are used to describe how light travels.

- ☐ reflection and refraction
☐ reflection and speed

5. The image of the trees appearing on the lake is an example of which of the following?



- ☐ Reflection
- ☐ Vibration

6. Which of the following is visible to the human eye?

☐



Light

☐



Sound

☐



Both light and sound

7. Which of the following objects will reflect light?

☐

Mirror

☐

Window

8. Which of the following will absorb light?

☐

Water

☐

Park bench

9. Which of the following carries energy from place to place without carrying matter?

- ☐ Light waves only
- ☐ Sound waves only
- ☐ Both light waves and sound waves

10. Which of the following travels the fastest?

- ☐ Sound waves
- ☐ Light waves

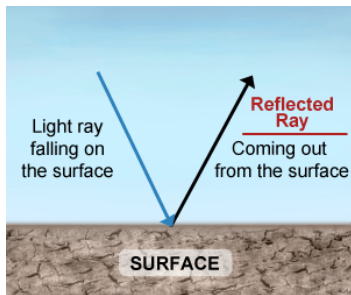
11. Which of the following shows the speed of light?

- ☐ 186,000 miles per second
- ☐ 186,000 miles per minute

12. Light is only visible when it reflects off _____ and it is also measured in wavelengths.

- ☐ a dark surface
- ☐ a light surface
- ☐ any surface

13. Light bouncing off a surface is an example of a _____.



- ☐ reflection
- ☐ vibration

14. Light changing direction through a transparent object is an example of _____.



- ☐ diffraction
- ☐ refraction

15. Which one of the properties of light is shown in the following picture?



- ☐ Refraction
- ☐ Reflection