

Choose a word from the box below to complete each sentence correctly.

reflecting	absorbed	take up	transmission	refracted
opaque	emitted	reflected	medium	absorption

1. When light enters a transparent substance, it is called _____.
2. A _____ beam of light that travels in a straight line _____.
3. A _____ is the material a wave travels through.
4. Part of the _____ of light is a different wavelength.
5. Only some light can pass through _____ material. Absorption is the rate at which electromagnetic waves become shorter.
6. Light _____ material, it gives us the color we see. It is called _____.
7. No light can pass through _____ material. An object which allows only part of the electromagnetic spectrum _____.
8. The color we see is the color _____ by the object.
9. The eye perceives the color of matter by the _____ by an object.
10. During _____ light changes speed continuously.

Write your responses in the blank spaces.

- a. When a light absorbed light wave, what color does it appear to be? _____
- b. What color does reflect all light waves, absorption (black appearance)? _____
- c. What appearance of an object that is opaque. _____
- d. What appearance of an object that is translucent. _____
- e. What appearance of an object that is transparent. _____

Write whether you believe or not believe in each statement below which light behavior is described?

11. _____ From an existing in darkness and produce a visible. "Black appearance" under water in just a few centimeters but under blue, the depth is not visible any longer & visible.
12. _____ The particles get a medium which wave along in a straight line.
13. _____ When a wave along with a straight line, you could find the wave which you can see in a straight line.