

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 source of light that travels in a straight line _____.
3. A _____ is the material a wave travels through.
4. Part of light _____ of light is a different wavelength.
5. Only some light can pass through _____ material. Absorption is the rate at which electromagnetic waves are absorbed.
6. Light _____ material. Light can be either absorbed or transmitted.
7. No light can pass through _____ material. An object which allows only part of the electromagnetic spectrum _____.
8. The colour we see is called _____ by reflection.
9. The eye perceives the colour of matter by reflection _____ by an object.
10. During _____ light changes speed/direction.

Write your responses in the table below:

1. Material which absorbs light waves (what colour does it appear to be)? _____
2. Material which reflects all light waves (what colour does it appear to be)? _____
3. What percentage of an object that is opaque _____
4. What percentage of an object that is translucent _____
5. What percentage of an object that is transparent _____

Write definitions or explanations of each feature below which light behaves in according:

11. _____ From an emitting or absorbing and process a medium. "What percentage of electromagnetic waves is just emitted that does not get absorbed by the medium which you through it travels".
12. _____ The particles get a medium which wave along in a wave direction.
13. _____ When a wave strikes a surface at an angle, part of the wave is reflected back and part is transmitted.