

# Class 8 Light Worksheet



## SECTION 1 – OBJECTIVE

**1. Light causes the sensation of:**

- (A) Vision
- (B) Light
- (C) Both (A) and (B)
- (D) None

**2. Light is**

- (A) An electromagnetic radiation
- (B) A longitudinal wave
- (C) Mass less
- (D) All of the above

**3. Which of the following is a natural luminous source of light?**

- (A) Sun
- (B) Wood
- (C) Electric lamp
- (D) Torch

**4. Which of the following is not a translucent object?**

- (A) Greased paper
- (B) Paraffin wax
- (C) Frosted glass
- (D) Water

**5. Light shows:**

- (A) Random propagation
- (B) Curvilinear propagation
- (C) Rectilinear propagation
- (D) None of these

**6. Which of the following is a reflector of light?**

- (A) Sun
- (B) Star
- (C) Filament
- (D) Moon

**7. In case of diffused reflections, laws of reflection are .....**

- (A) Followed
- (B) Violated
- (C) Both A and B
- (D) None of these

**8 The image formed by plane mirror is:**

- (A) Laterally inverted
- (B) Virtual
- (C) At a same distance behind the mirror as the object
- (D) All of the above

**9. If two plane mirrors are inclined at an angle of  $60^\circ$  then the number of images formed by the object place between these mirrors are:**

- (A) 4
- (B) 3

(C) 5

(D) 6

**10. Plane mirrors are arranged parallel to each other to get:**

(A) A single image

(B) Two images

(C) A large number of reflected images

(D) No image

### **SECTION 2 – SUBJECTIVE**

**1. What do you mean by reflection of light? What are the types of reflection write the laws of reflection?**

**2. How is the image formed by a plane mirror? Explain with the help of a diagram**

**3. What do you mean by persistence of vision?**

**4. Explain the working of human eye with a neat and labelled diagram**

**5. Explain how you can take care of your eyes.**