

CHAPTER-11 | Light, Shadows and Reflections

QUIZ
PART-02

1. Light passes completely through:

- A. Opaque materials
- B. Transparent materials
- C. Translucent materials
- D. Metals (B)

Explanation: Transparent materials allow full light.

2. Sunglasses are:

- A. Opaque
- B. Transparent
- C. Translucent
- D. Luminous (C)

Explanation: They allow partial light.

3. Backpack is:

- A. Transparent
- B. Translucent
- C. Opaque
- D. Luminous (C)

Explanation: Light cannot pass through it.

4. Shadow is formed when:

- A. Light bends
- B. Light reflects
- C. Light is blocked by opaque object
- D. Light spreads (C)

Explanation: Opaque objects block light.

5. For shadow formation, we need:

- A. Only light
- B. Only screen
- C. Light, object & screen
- D. Only object (C)

Explanation: All three are required.

6. Shadow is formed on:

- A. Same side of light
- B. Opposite side of light
- C. Above object
- D. Inside object (B)

Explanation: Shadow forms opposite to source.

7. Changing colour of opaque object changes shadow colour:

- A. True
- B. False
- C. Sometimes
- D. Rarely (B)

Explanation: Shadow remains dark.

8. Size of shadow depends on:

- A. Colour
- B. Distance from light
- C. Weight
- D. Shape only (B)

Explanation: Distance affects shadow size.

9. Shadow at 12 PM is:

- A. Longest
- B. Shortest
- C. Invisible
- D. Largest (B)

Explanation: Sun is overhead at noon.

10. Transparent objects form:

- A. Dark shadows
- B. No shadow
- C. Very clear shadow
- D. Coloured shadow (B)

Explanation: Light passes through them.