

Name: _____ Date: _____

Light, Shadows and Reflections

Q1. What is lateral inversion?

Ans. _____

Q2. What is reflection of light?

Ans. _____

Q3. Write some man-made or artificial sources of light.

Ans. _____

Q4. Why it is not possible to see the candle flame from a bent pipe?

Ans. _____

Q5. What are the characteristic of the image formed by plane mirrors?

Ans. _____

Q6. How is the shadow of an object affected by its distance from a light?

Ans. _____

Light, Shadows and Reflections

Q1. What is lateral inversion?

Ans. In lateral inversion the right side of the object appears to be the left side of its image and vice-versa.

Q2. What is reflection of light?

Ans. When the light rays strike the smooth or shiny area, it bounces back to the same medium. This phenomenon is called reflection of light.

Q3. Write some man-made or artificial sources of light.

Ans. Some man-made sources of light are candles, oil lamps, earthen lamps, lanterns, gas lamps, electric bulbs, tube light, fluorescent tubes etc.

Q4. Why it is not possible to see the candle flame from a bent pipe?

Ans. It is not possible to see the candle flame from a bent pipe because light cannot pass through the bent pipe.

Q5. What are the characteristic of the image formed by plane mirrors?

Ans. Images formed by plane mirrors are virtual, upright, left-right reversed, the same distance from the mirror as the object's distance, and the same size as the object.

Q6. How is the shadow of an object affected by its distance from a light?

Ans. When object moves closer to the source of light, the shadow becomes larger and when object moves away from the source of light, the shadow becomes smaller.