

Board – CBSE

Class – 6th

Topic – Light, Shadows and Reflections

- Which of the following is false?
 - All objects cast shadows.
 - Mirror changes the direction of light that falls on it
 - image in a plane mirror is of the same size and colour as that of the object.
 - Coloured objects form coloured shadows
 - The phenomenon of bouncing back of light after falling on the surfaces of the objects is called the reflection of light.
- What is true about reflection from a plane mirror?
 - The image formed by the plane mirror is erect and virtual.
 - Size of the image formed by a plane mirror is equal to the size of the object.
 - The distance of the image behind the plane mirror is equal to the distance of the object from the mirror.
 - All the above
- Which of the following are sources of artificial light?
 - Electric bulb
 - Candle
 - Torch
 - All the above
- What is lateral inversion?
 - Image looks shorter in size
 - Image looks larger in size
 - The right side of the object appears to be the left side of its image and vice-versa
 - None of the above
- Two statements are given
Statement A: We cannot see our image in the mirror in a completely dark room because there is no light to reflect.

Statement B: We cannot see objects through T shaped pipe because light travels through a straight line

- (a) Statement A is correct only
- (b) Statement A is correct only
- (c) Statement A and B both are incorrect
- (d) Statement A and B both are correct

6. Distinguish between

Transparent, translucent and opaque materials?

Luminous and Non Luminous objects

7. The moon appears bright at night. Is it a luminous or non-luminous body?

8. Explain how we see our image in the mirror?

9. What is periscope?

10. How does pin hole camera work?

11. What is the reflection of light?

12. Explain the difference between Image and Shadows