

CBSE Worksheet-01

Class – VI Science (Light, Shadows and Reflections)

- Which one is a transparent object?
a. Stone b. Reading glass c. Wax paper d. Dense fog
- Light is a form of
a. Energy b. Power c. Mass d. Length
- Which of the following will not form circular shadow
a. A circular disk b. Shoe box c. Ice-cream cone d. A ball
- Shadow is formed by
a. Transparent object b. Translucent object c. Opaque object d. All of these.
- Match the following:

Column A	Column B
a. Moon	i. Translucent
b. Sun	ii. Opaque
c. Brick	iii. Reflecting surface
d. Mirror	iv. Luminous
e. Tracing paper	v. Non-luminous

- Fill in the blanks with suitable word.
 - _____ object do not cast any shadow.
 - Moon is a _____ object.
 - Shadows give us information about the _____ of the object.
 - Solar and Lunar eclipse are examples of _____ formation in nature.
 - A _____ changes the direction of light that falls on it.
- When does a lunar eclipse occur?
- Distinguish between real and virtual image,
- What is lateral inversion?
- Classify the following as transparent, translucent and opaque object.
Brick, butter paper, air, cardboard, metals, book, smoked glass, water, cellophane paper.

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Answer key

- (b)
- (a)
- (b)
- (c)
- (a) – (v), (b) – (iv), (c) – (ii), (d) – (iii), (e) – (i).
- (a) Transparent (b) Non-luminous (c) Shape (d) Shadow (e) Mirror.
- A lunar eclipse occurs when the earth is between the sun and the moon in a straight line.
The shadow of the earth is cast on the moon.
- A real image can be caught on a screen whereas a virtual image cannot be caught on a screen.
 - A real image is always inverted whereas a virtual image is always erect.
 - A real image is formed when the rays of light after reflection or refraction actually meet at some point whereas a virtual image is formed when the rays of light after reflection or refraction appear to meet at a point.
- The appearance of left sided parts to right in plane mirror is called lateral inversion.
When we write with right hand it appears left in mirror.
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Transparent	Translucent	Opaque
Air	Butter paper	Brick
Water	Smoked glass	Cardboard
Cellophane paper		Metals