



Grade: 6.
WORKSHEET – I

Light, Shadows and Reflections

Date:21.6.22

I.State True or False

- 1) Light travels in straight line
- 2) A Shadow can be coloured
- 3) The image formed in pinhole camera is both erect and inverted
- 4) Transparent object does not cast shadows
- 5) A periscope is an instrument used for observing objects from a hidden position
- 6) Moon is a luminous object

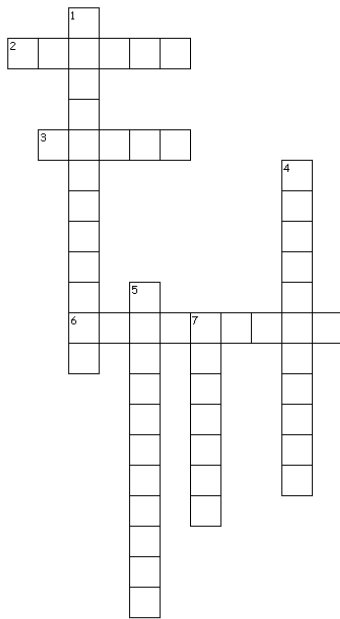
II.Fill in the Blank

- 7) The phenomenon by which we see our face in mirror is called _____.
- 8) Sun is an _____ object.
- 9) A _____ eclipse occurs when earth comes between sun and moon in a straight line.
- 10) Wooden piece is an _____ object.
- 11) _____ and _____ are two types of shadows.
- 12) The objects which partially allow light to pass through them are called _____.
- 13) speed of light is _____ .

III.Match the column

S.no	Column A	Column B
14	translucent	Wood
15	opaque	Torch bulb
16	Transparent	Butter paper
17	Luminous	Glass
		Water
		Sun

IV. Solve the below crossword



Across

2. These objects does not allow light to pass through them
3. it travels in straight line
6. it is a device to see hidden corners

Down

1. This device uses reflection to create beautiful picture
4. These objects allows light to pass fully
5. These objects allow the light to pass partially
7. It is formed when opaque objects come in the path of light

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WORKSHEET – II

I. Tick the Correct Option

1. Shadows form because:

- (a) opaque objects reflect light (b) opaque objects do not allow light to pass through them
(c) light travels in one direction from a source (d) light bends around an opaque object

2. objects do not allow any light to pass through them.

- (a) Transparent (b) Translucent (c) Opaque (d) Luminous

3. Which of the following is a non-luminous body?

- (a) Moon (b) Sun (c) Bulb (d) Burning candle

4. The colour of a shadow is :

- (a) black (b) green (c) grey (d) cannot say

5. The speed of light in vacuum is :

- (a) 3×10^8 m/sec (b) 2×10^9 m/sec (c) 1.5×10^8 m/sec (d) none of these

II. Fill in the Blanks

1. Light is a form of
2. A glowing tubelight is an example of source of light.
3. The shadow of an object is always of colour.
4. The is a luminous object.
5. Light travels in a line.

III. State True or False

1. The moon is a natural source of light.
2. Light always travels in a straight line.
3. Pinhole camera works on the principle of rectilinear propagation of light.
4. Stars are luminous bodies.
5. Shadow of an object is formed in the direction. opposite to that of the light source.
.....

IV. Match the following

'A'	'B'
1. Brick	a. A natural source of light
2. Tubelight	b. Region of partial darkness
3. Sun	c. Shadow cast by heavenly bodies
4. Eclipse	d. An opaque object
5. Penumbra	e. An artificial source of light

V. Write the letter in the blanks given below with the help of corresponding hints.

1. T _ _ _ S _ _ _ _ T.

Hint: Through these objects, we can see but not very clearly.

2. _ _ M _ N _ _ S.

Hint: Sun is in this category of sources of light.

3. S _ R _ _ _ .

Hint: We can't obtain an image without this.

4. R _ _ _ C _ _ _ _ .

Hint: Mirror gives us clear images because of this phenomenon.