

# Assignment for Light, shadows and Reflection

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## Question 1

State True or False

- (a) Light travels in straight line
- (b) A Shadow can be coloured
- (c) The image formed in pinhole camera is both erect and inverted
- (d) Transparent object does not cast shadows
- (e) A periscope is an instrument used for observing objects from a hidden position
- (f) Moon is a luminous object

## Question 2

Fill in the Blank

1. The phenomenon by which we see our face in mirror is called \_\_\_\_\_
2. Sun is an \_\_\_\_\_ object
3. A \_\_\_\_\_ eclipse occurs when earth comes between sun and moon in a straight line.
4. Wooden piece is an \_\_\_\_\_ object
5. \_\_\_\_\_ and \_\_\_\_\_ are two types of shadows
6. The objects which partially allow light to pass through them are called \_\_\_\_\_
7. speed of light is \_\_\_\_\_

## Question 3:

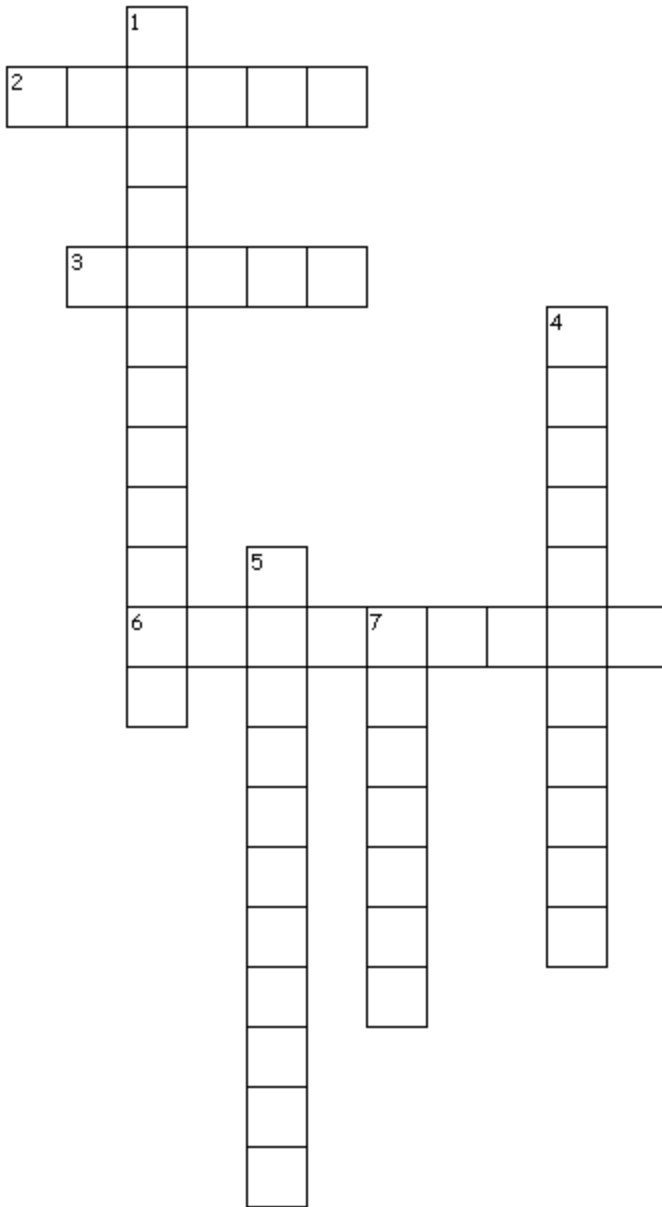
Match the column

Column A	Column B
translucent	Wood
opaque	Torch bulb
Transparent	Butter paper
Luminous	Glass

	Water
	Sun

### Crossword

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

**Answer 1**

- a) True
- b) False
- c) true
- d) true
- e) true
- f) False

**Answer 2**

- 1) Reflection
- 2) Luminous
- 3) Lunar
- 4) opaque
- 5) umbra, penumbra
- 6) translucent
- 7)  $3 \times 10^8$  m/s

**Answer 3**

<b>Column A</b>	<b>Column B</b>
translucent	Butter paper
opaque	wood
Transparent	Glass
	Water
Luminous	Sun
	Torch bulb

**Answer 4**

- a) translucent
- b) Light
- c) Shadows
- d) Transparent
- e) opaque
- f) periscope
- g) Kaleidoscope

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