

Assignment for Light, shadows and Reflection

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:

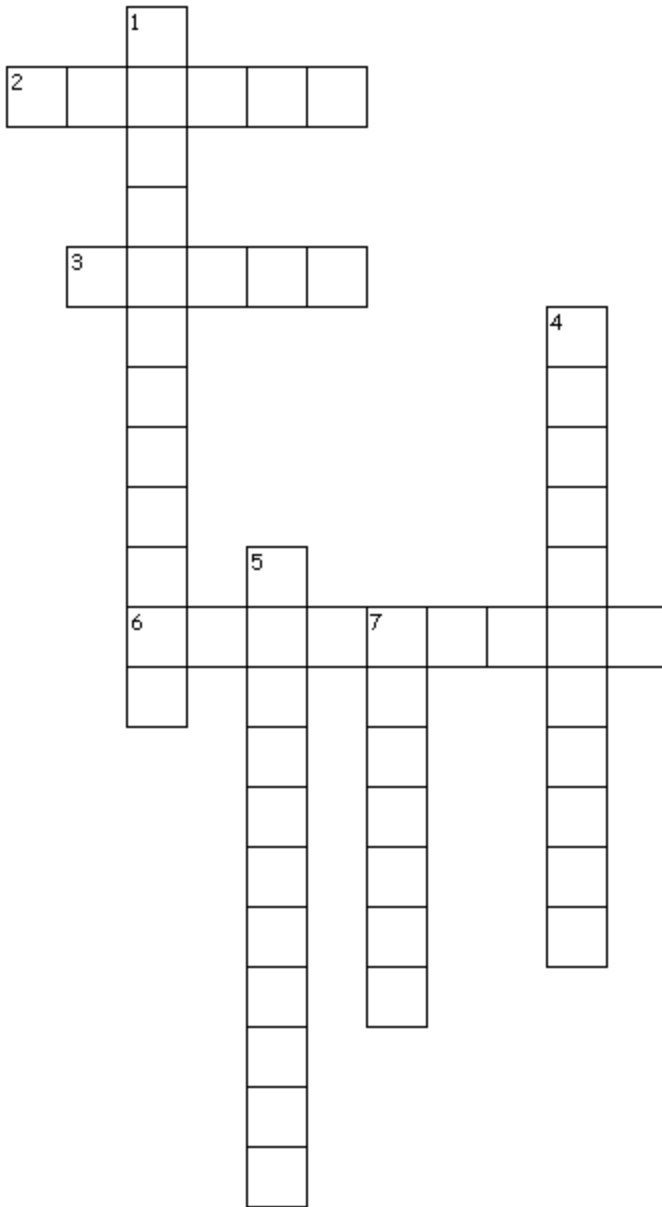
Match the column

| 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) 3×10^8 m/s

Answer 3

| Column A | Column 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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