

# 14. Light and the Formation of Shadows| General Science | Class 6

---

1. Choose an appropriate word and fill in the blanks.

(a) A ..... is a natural source of light.

ANSWER: \_\_\_\_\_

(b) A ..... is an artificial source of light.

ANSWER: \_\_\_\_\_

(c) When light passes through a prism, it gets separated into ..... colours.

ANSWER: \_\_\_\_\_

(d) The image obtained in the pinhole camera is ..... .

ANSWER: \_\_\_\_\_

(e) A shadow is formed when an ..... object comes in the way of light.

ANSWER: \_\_\_\_\_

(f) When a ..... object comes in the way of light, light passes ..... it.

ANSWER: \_\_\_\_\_, \_\_\_\_\_

Options : (seven, star, through, transparent, opaque, colors, shape, erect, inverted, luminous, candle)

2. Write whether of the following objects are luminous or non-luminous.

Object	Luminous/ Non-luminous
A book	
A burning candle	
A wax cloth	
A pencil	

A pen	
A light bulb	
A tyre	
A torch	

ANSWER:

Object	Luminous/ Non-luminous
A book	
A burning candle	
A wax cloth	
A pencil	
A pen	
A light bulb	
A tyre	
A torch	

3. Match the following.

Group A	Group B
(a) Mirror	(1) Non-luminous
(b) Firefly	(2) Inverted image
(c) Pinhole camera	(3) Reflection
(d) Moon	(4) Luminous

ANSWER:

Group A	Group B
(a) Mirror	
(b) Firefly	
(c) Pinhole camera	
(d) Moon	

4. Write the answers to the following.

(a) What things are necessary for the formation of a shadow ?

ANSWER:

---

---

---

(b) When can an object be seen ?

ANSWER:

---

---

---

(c) What is a shadow ?

ANSWER:

---

---

---

---

\*\*\*\*\*