



## Sources of Light

### A. Choose the Correct Answer:

1. What is the main source of natural light on Earth?

- A) Moon
- B) Sun
- C) Stars
- D) Fireflies

2. Which of the following is an example of an artificial source of light?

- A) Sun
- B) Candle
- C) Moon
- D) Stars

3. Which of these objects produces light on its own?

- A) Mirror
- B) Bulb
- C) Glass
- D) Water

### B. Fill in the Blanks:

1. The Sun is the biggest natural source of \_\_\_\_\_.
2. A \_\_\_\_\_ is a man-made source of light that runs on electricity.
3. Fireflies produce light naturally through a process called \_\_\_\_\_.

### C. Case Study:

A scientist, Dr. Mehra, conducted an experiment to understand how different sources of light affect our surroundings. She placed three objects in a dark room and observed them under different light sources:

- **Object A:** Placed under sunlight, it appeared bright and clear.
- **Object B:** Placed under a candlelight, it appeared dim and flickering.
- **Object C:** Placed under a streetlight, it appeared bright but with some shadows.

She concluded that different sources of light have different intensities and effects on visibility.



### **Case Study Questions:**

1. What was Dr. Mehra trying to study through her experiment?
2. Why did Object B appear dim under candlelight?
3. How does sunlight differ from artificial light sources?
4. Why do shadows form under some light sources but not others?

### **D. Short Answer Questions:**

1. What are the two main types of sources of light?
2. Give two examples of natural and artificial sources of light.
3. Why do we need light to see things around us?

### **E. Long Answer Questions:**

1. Explain the difference between natural and artificial sources of light with examples.
  2. How does light help in our daily activities, and what would happen if there was no light?
  3. Discuss how different artificial light sources, like bulbs and torches, work.
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