



## Sun: A Natural Source of Energy

### A. Choose the Correct Answer:

1. What is the main source of light and heat for the Earth?

- a) The Moon
- b) The Sun
- c) The Stars
- d) The Clouds

2. Which of the following uses solar energy?

- a) A torch
- b) A car engine
- c) A solar panel
- d) A candle

3. What do plants use sunlight for?

- a) To sleep
- b) To make food
- c) To breathe
- d) To run

### B. Fill in the Blanks:

1. The Sun gives us \_\_\_\_\_ and \_\_\_\_\_.
2. \_\_\_\_\_ use sunlight to make their own food.
3. The Sun rises in the \_\_\_\_\_ and sets in the \_\_\_\_\_.

### C. Case Study:

Riya and Aman decided to conduct a simple experiment about the Sun's heat.

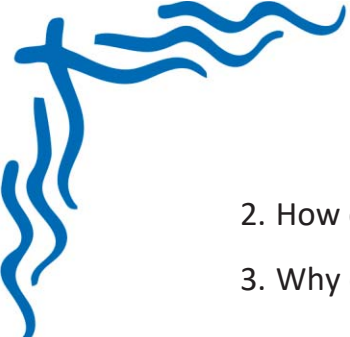
- Riya placed a bowl of water outside in the sunlight, while Aman placed the same bowl in a shaded area.
- After one hour, Riya's water became warm, but Aman's water remained cool.
- Riya concluded that sunlight warms things quickly, while shaded areas remain cooler.

#### Case Study Questions:

1. What did Riya and Aman want to learn from their experiment?
2. Why did Riya's bowl of water become warm?
3. Why did Aman's water stay cool?
4. Based on their experiment, why is it important to wear light-colored clothes in summer?

### D. Short Answer Questions:

1. Why is the Sun important for life on Earth?

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2. How do we use sunlight to generate electricity?
  3. Why do we feel warmer when we stand in direct sunlight?

**E. Long Answer Questions:**

1. Explain how the Sun helps plants, animals, and humans.
  2. Describe three ways in which we use solar energy in daily life.
  3. Why is it important to protect ourselves from too much exposure to the Sun?
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