

Uses of Solar Energy

A. Choose the Correct Answer:

1. What is solar energy?

- a) Energy from the wind
- b) Energy from the sun
- c) Energy from water
- d) Energy from fire

2. Which of the following devices uses solar energy?

- a) Refrigerator
- b) Solar cooker
- c) Washing machine
- d) Gas stove

3. What is a benefit of using solar energy?

- a) It causes pollution
- b) It is free and renewable
- c) It runs out quickly
- d) It is only used at night

B. Fill in the Blanks:

1. Solar panels convert sunlight into _____.
2. Solar energy is a _____ source of power.
3. People use _____ cookers to prepare food using sunlight.

C. Case Study:

A family decides to reduce their electricity bill by using solar energy.

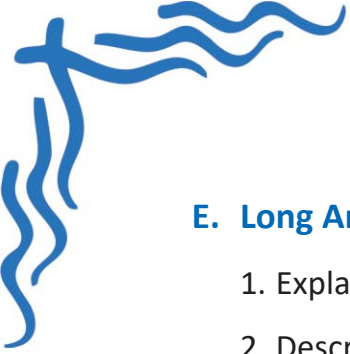
- They install solar panels on their rooftop to generate electricity.
- They also use a solar water heater to heat water for bathing.
- The family enjoys lower electricity costs and helps reduce pollution.

Case Study Questions:

1. How did the family reduce their electricity bill?
2. What device did they use to heat water?
3. How does using solar energy help the environment?
4. Why is solar energy a good choice for homes?

D. Short Answer Questions:

1. What is solar energy used for?
2. Name two devices that use solar energy.
3. Why is solar energy considered eco-friendly?



E. Long Answer Questions:

1. Explain how solar panels work and how they help in saving electricity.
2. Describe the advantages of using solar energy at home.
3. How can solar energy help reduce pollution and conserve natural resources?