

Renewable Resources

A. Choose the correct answer:

1. Which of the following is an example of a renewable resource?
 - a) Coal
 - b) Natural gas
 - c) Solar energy
 - d) Petroleum
2. What is the primary benefit of using renewable energy sources?
 - a) They are expensive to use
 - b) They can be replenished naturally
 - c) They produce more pollution than fossil fuels
 - d) They require high maintenance
3. Which of the following is a renewable resource used for producing biofuel?
 - a) Crude oil
 - b) Wind
 - c) Corn
 - d) Uranium

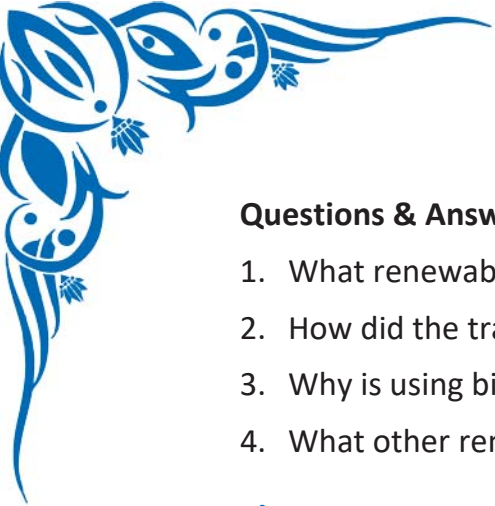
B. Fill in the Blanks:

1. Solar energy, wind energy, and hydropower are examples of _____ resources.
2. The primary source of geothermal energy is _____.
3. Unlike fossil fuels, renewable resources do not produce excessive _____ emissions.

C. Case Study:

A small village in India decided to transition from using traditional wood and coal for cooking to renewable energy sources. They installed solar panels and biogas plants to generate electricity and cooking gas. After a year, they observed several benefits:

- Households had reduced their expenses on fuel.
- Air pollution in the village significantly decreased.
- Farmers could use the biogas plant byproducts as organic fertilizers.



Questions & Answers:

1. What renewable energy sources did the village adopt?
2. How did the transition to renewable energy benefit the villagers?
3. Why is using biogas better than burning wood for cooking?
4. What other renewable resources could the village use for energy generation?

D. Short Answer Questions:

1. What are renewable resources?
2. How does wind energy generate electricity?
3. Why is it important to shift from fossil fuels to renewable energy sources?

E. Long Answer Questions:

1. Explain the different types of renewable energy sources and their advantages.
2. Discuss the impact of deforestation and how renewable resources can help in conservation.
3. How can governments and individuals promote the use of renewable energy in daily life?