

Non-renewable Resources

A. Choose the correct answer:

1. What are non-renewable resources?

- a) Resources that can be replenished quickly
- b) Resources that are unlimited in nature
- c) Resources that take millions of years to form and are limited
- d) Resources that are found only in forests

2. Which of the following is a non-renewable resource?

- a) Solar energy
- b) Wind energy
- c) Coal
- d) Hydropower

3. What is the primary use of petroleum?

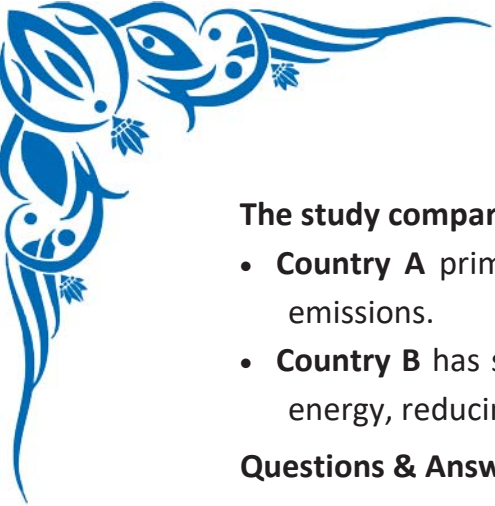
- a) Making plastic toys
- b) Generating electricity in thermal power plants
- c) Fuel for transportation and industrial activities
- d) Growing crops

B. Fill in the Blanks:

1. Non-renewable resources are formed over _____ of years and cannot be replaced once depleted.
2. Fossil fuels such as coal, oil, and natural gas are primarily used for generating _____.
3. Excessive use of non-renewable resources leads to environmental issues like _____ and _____.

C. Case Study:

A report by environmental scientists highlights the rapid depletion of fossil fuel reserves due to excessive consumption. It states that at the current rate of usage, crude oil reserves may last only for a few more decades. Meanwhile, burning fossil fuels has led to serious environmental problems like air pollution and climate change.



The study compared two countries:

- **Country A** primarily depends on fossil fuels for energy and has high carbon emissions.
- **Country B** has started shifting towards renewable sources like solar and wind energy, reducing its dependency on coal and oil.

Questions & Answers:

1. What problem is highlighted in the case study regarding fossil fuels?
2. Why is excessive use of non-renewable resources harmful to the environment?
3. What are the benefits of using renewable energy sources, as seen in Country B?
4. How can nations reduce their dependency on fossil fuels?

D. Short Answer Questions:

1. What are the main types of non-renewable resources?
2. How does the overuse of fossil fuels contribute to global warming?
3. Why is it important to conserve non-renewable resources?

E. Long Answer Questions:

1. Explain the different types of fossil fuels and their uses.
2. Discuss the environmental impacts of excessive dependence on non-renewable resources.
3. Suggest alternative energy sources that can replace fossil fuels and explain their advantages.