

Natural Gas

A. Choose the Correct Answer:

1. Natural gas is mainly composed of:

- a) Carbon dioxide
- b) Methane
- c) Oxygen
- d) Nitrogen

2. Which of the following is a major use of natural gas?

- a) Fuel for rockets
- b) Fuel for power plants and vehicles
- c) Making plastics only
- d) Fuel for steam engines

3. Compressed Natural Gas (CNG) is preferred over petrol and diesel because:

- a) It is more expensive
- b) It is heavier
- c) It causes less pollution
- d) It is harder to store

B. Fill in the Blanks:

1. Natural gas is stored and transported through _____.
2. CNG stands for _____.
3. Natural gas is a _____ and cleaner alternative to other fossil fuels.

C. Case Study:

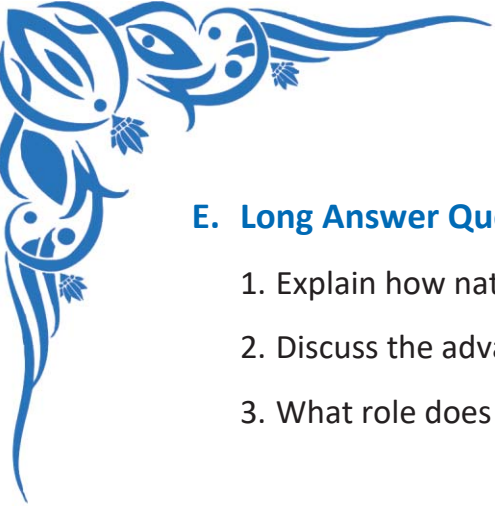
A city launched a new initiative to reduce air pollution by replacing diesel-run buses with CNG-powered ones. Within a few months, air quality improved, and fuel costs were reduced. People appreciated the move and supported further use of natural gas for public transport and domestic cooking.

Case Study Questions:

1. What fuel was used to replace diesel in buses?
2. How did this change help the city?
3. What are the advantages of using natural gas over other fossil fuels?
4. Why is natural gas considered an eco-friendly fuel?

D. Short Answer Questions:

1. What is natural gas and how is it formed?
2. Mention any three uses of natural gas.
3. What is CNG and why is it popular as a fuel?



E. Long Answer Questions:

1. Explain how natural gas is formed and extracted.
2. Discuss the advantages of using natural gas over coal and petroleum.
3. What role does natural gas play in reducing environmental pollution?