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Exercise

1. What are the advantages of using CNG and LPG as fuels?

Answer:

The advantages of using compressed natural gas (CNG) and liquified petroleum gas (LPG) as fuels are:

- They can be burnt directly.
- They can be transported easily through pipe lines.
- They are clean fuels and do not give smoke when burnt.
- They give a lot of heat energy when burnt.

2. Name the petroleum product used for surfacing of roads.

Answer:

Bitumen, a petroleum product, is used for surfacing roads.

3. Describe how coal is formed from dead vegetation. What is this process called?

Answer:

Millions of years ago, dense forests got buried under the soil due to natural processes like storms, floods, and earthquakes. These got compressed as more and more soil got deposited over them. When they got buried deep in the soil, they were exposed to very high pressure and temperature. Under these conditions, these slowly got converted into coal. This process of formation of coal from dead vegetation is called carbonization.

4. Fill in the blanks.

(a) Fossil fuels are _____, _____ and _____.

(b) Process of separation of different constituents from petroleum is called _____.

(c) Least polluting fuel for vehicles is _____.

Answer:

(a) Fossil fuels are coal, petroleum and natural gas.

(b) Process of separation of different constituents from petroleum is called refining.

(c) Least polluting fuel for vehicles is CNG.

5. Tick True/False against the following statements.

(a) Fossil fuels can be made in the laboratory. (False)

(b) CNG is more polluting fuel than petrol. (False)

(c) Coke is almost pure form of carbon. (True)

(d) Coal tar is a mixture of various substances. (True)

(e) Kerosene is not a fossil fuel. (False)

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