



6. Explain why fossil fuels are exhaustible natural resources.

Answer:

Fossil fuels require millions of years to form from the dead vegetation and animals that get buried deep inside the Earth. They require high temperature and pressure for their formation, which cannot be provided in the laboratory. Thus, fossils are limited. Therefore, the use of fossil fuels at this rate will lead to their exhaustion.

Page No: 63

7. Describe characteristics and uses of coke.

Answer:

Characteristics of coke are:

- Tough
- Porous
- Black in colour

Uses of coke:

- In manufacture of steel.
- In the extraction of metals (as a reducing agent).

8. Explain the process of formation of petroleum.

Answer:

Petroleum was formed from dead organisms that got buried in the sea millions of years ago. These dead bodies got covered with layers of sand and clay. Lack of air, high temperature, and high pressure transformed these dead organisms into petroleum and natural gas.

9. The following Table shows the total power shortage in India from 1991 - 1997. Show the data in the form of a graph. Plot shortage percentage for the years on the Y-axis and the year on the X-axis.

S. No.	Year	Shortage (%)
1	1991	7.9
2	1992	7.8
3	1993	8.3
4	1994	7.4
5	1995	7.1
6	1996	9.2
7	1997	11.5

Answer:

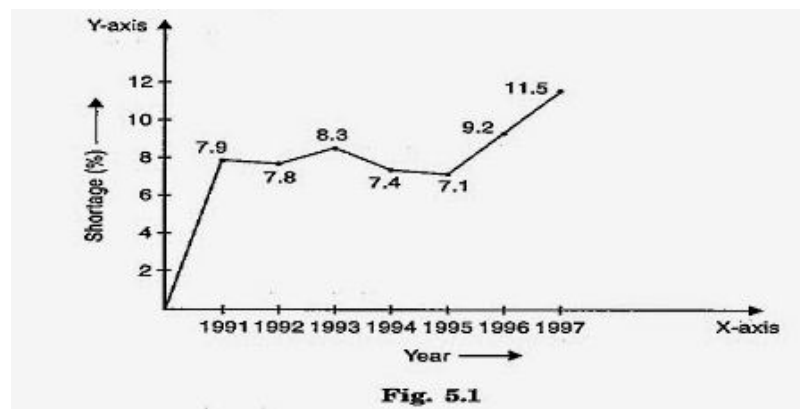


Fig. 5.1

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