

- What are the advantages of using CNG and LPG as fuels?
- Name the petroleum product used for surfacing of roads.
- Describe how coal is formed from dead vegetation. What is this process called?
- Fill in the blanks.
 - Fossil fuels are _____, _____ and _____.
 - Process of separation of different constituents from petroleum is called _____.
 - Least polluting fuel for vehicle is _____.
- Tick True/False against the following statements.
 - Fossil fuels can be made in the laboratory. (T/F)
 - CNG is more polluting fuel than petrol. (T/F)
 - Coke is almost pure form of carbon. (T/F)
 - Coal tar is a mixture of various substances. (T/F)
 - Kerosene is not a fossil fuel. (T/F)
- Explain why fossil fuels are exhaustible natural resources.
- Describe characteristics and uses of coke.
- Explain the process of formation of petroleum.
- 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

Choose the correct option in the following questions:

Question 1.

Minerals are

- (a) natural resources.
- (b) inexhaustible natural resources
- (c) exhaustible natural resources
- (d) all of these

Question 2.

Petroleum is mainly a mixture of which one of the following class?

- (a) Carbohydrates
- (b) Carbogens
- (c) Hydrocarbons
- (d) Alcohols

Question 3.

Which one is not a coal product?

- (a) Coal tar
- (b) Coal gas
- (c) Lime

Question 4.

Which one of the following is a petrochemical?

- (a) Ammonia
- (b) Coke
- (c) Acetone
- (d) Paraffin wax

Question 5.

Conversion of dead vegetation into coal is called

- (a) carbonisation
- (b) distillation
- (c) coal gas
- (d) natural gas

Question 6.

Full form of LPG

- (a) Light Petroleum Gas
- (b) Liquefied Petroleum Gas
- (c) Long Pipe of Gas
- (d) Long Petroleum Gas

Question 7.

A natural gas stored under high pressure is called

- (a) CNG
- (b) LPG
- (c) KLG
- (d) PNP

Question 8.

Name the petroleum product used for surfacing of road

- (a) Peat
- (b) Lignite
- (c) Anthracite
- (d) Bituminous

Question 9.

Products obtained by the process of destructive distillation are

- (a) coke, coal-tar, coal gas
- (b) petrol, diesel, kerosene
- (c) paraffin wax, bitumen
- (d) compressed natural gas

Question 10.

The mining of oil under sea is termed as

- (a) distillation
- (b) carbonisation
- (c) shore mining
- (d) destructive distillation

Question 11.

Main constituent of LPG is

- (a) methane
- (b) butane
- (c) ethane
- (d) propane

Question 12.

Petroleum is found under the

- (a) sedimentary rocks
- (b) water
- (c) sand
- (d) coke

Question 13.

Least polluting fuel for vehicles is

- (a) coke
- (b) kerosene
- (c) diesel
- (d) CNG

1. Fuels are materials which are generally burnt to produce

- (A) light energy
- (B) heat energy
- (C) sound energy
- (D) None of these

2. Coal is a

- (A) fossil fuel
- (B) secondary fuel
- (C) processed fuel
- (D) None of these

3. Water gas contains

- (A) hydrogen and carbon dioxide
- (B) hydrogen and nitrogen
- (C) hydrogen and carbon monoxide
- (D) None of these

4. Oldest form of fossil coal is

- (A) Lignite
- (B) Anthracite
- (C) Coke
- (D) Charcoal

5. Carbonization is

- (A) formation of carbon dioxide
- (B) formation of carbon-monoxide
- (C) burning of coal in presence of oxygen
- (D) conversion of dead vegetation into coal

6. The main constituent of coal is

- (A) nickel
- (B) carbon
- (C) oxygen
- (D) iron

7. Ointments are prepared from

- (A) lubricating oil
- (B) coke
- (C) bitumen
- (D) paraffin wax

8. Coal tar is replaced by

- (A) Tar
- (B) coal gas
- (C) coal
- (D) bitumen

9. The natural resource, which is known as 'Black Gold' is

- (A) coal
- (B) natural gas
- (C) petroleum
- (D) coal tar

10. The one that is known as marsh gas is

- (A) ethane
- (B) methane
- (C) propane
- (D) butane

11. Name the type of coal which has least amount of carbon and how it can be used.

12. Name the four products obtained by destructive distillation of coal.

13. Give two examples of solid fuel with their usage.

14. What do we get on heating of soft coal in limited air ?

15. Producer gas is not considered as a good fuel. Explain why ?