

## Chapter 5

### MULTIPLE CHOICE QUESTIONS

- |      |       |       |       |
|------|-------|-------|-------|
| 1. d | 2. c  | 3. d  | 4. d  |
| 5. c | 6. d  | 7. a  | 8. a  |
| 9. c | 10. d | 11. c | 12. c |

### VERY SHORT ANSWER QUESTIONS

13. Decantation
14. CNG stands for Compressed Natural Gas. It is considered to be a better fuel because it is less polluting.
15. Kerosene is used as fuel for stoves, lamps and jet aircrafts.
16. (a) fuels (d) coal, natural gas  
(b) carbon dioxide (e) exhaustible  
(c) liquid, unpleasant
17. (a) coal (b) petroleum (c) refinery  
(d) kerosene (e) sunlight
18. (a) carbonisation, (b) fossil fuels, (c) unpleasant, (d) coal gas, (e) refining, (f) air pollution.
19. (a) False, (b) False, (c) True, (d) True, (e) True.

### SHORT ANSWER QUESTIONS

20. These resources are present in unlimited quantity in nature and are not likely to be exhausted by human activities.
21. Exhaustible natural resources are  
coal, natural gas, petroleum, minerals, forests.  
Inexhaustible natural resources are  
air, sunlight, oxygen.

22. It is used for extraction of many metals and also for the manufacture of steel.
23. Coal is black in colour and hard as stone. It is one of the fuels used to cook food. Earlier it was used in railway engines to produce steam to run the engine. It is used as fuel in thermal power plants to produce electricity and in various other industries.
24. **Hint:** Oil is lighter than water hence floats over it.
25. forests, floods, soil, soil, temperature, pressure, temperature.
26. (a)–(iii), (b)–(iv), (c)–(i), (d)–(ii)

### LONG ANSWER QUESTIONS

27. Coal when processed in industry gives coke, coal tar and coal gas.
- Coke is used in the manufacture of steel and in extraction of many metals.
- Coal tar is used as starting material for manufacturing various substances such as synthetic dyes, drugs, explosives, perfumes, paints etc.
- Coal gas is used as fuel.
28. It takes a very long time for the formation of fossil fuels. It also requires specific conditions and it doesn't happen quite often. Therefore, their limited stock will last only for a few hundred years.
29. **Hint:** It is related to global warming due to formation of carbon dioxide and some other gases.
30. • Ensure correct tyre pressure.  
• Ensure regular maintenance of the vehicle.  
• Drive at a constant and moderate speed.  
• Switch off the engine at traffic lights or at a place where you have to wait.

31. This is an open ended question. Let children imagine and write.

32. **Hint:**

Sunlight is present in unlimited quantity in nature whereas it takes millions of years to form petrol from dead remains of organisms.

33. • Petroleum gas in liquid form (LPG) — used as fuel for home and industry.  
 • Petrol — used as fuel for automobile and aviation.  
 • Kerosene — used as fuel for stoves, lamps and for jet aircrafts.  
 • Diesel — used as fuel for heavy motor vehicles, electric generators.  
 • Lubricating oil — used for lubrication  
 • Praffin wax — used in ointments, candles, vaseline etc.  
 • Bitumen — used in paints and road surfacing.

34. Open ended question. Let children write their views.

35. Open ended questions. Let children write their ideas.

36.

