

Coal and petroleum

Fill in the blanks

1. A substance that harms the environment and effect health is
2.is a dark colored viscous and foul smelling liquid
3. is a gas released by radioactive decay inside the earth crust
4. Coal, natural gas, petroleum are collectively known as
5. The process of separating petroleum with its fractions is called
6. A natural gas deposits are found along with deposits of
7. Paraffin wax is used in making.....

One - word answers

1. The process of strongly heating coal in absence of air
2. The household coal
3. A petroleum product used in heavy vehicles
4. A type of coal having maximum carbon content
5. A petroleum fraction used as a solvent for dry cleaning
6. A product obtained by fractional distillation of coal which is used to manufacture explosive
7. Name the chemical used to produce artificial sweetener like saccharine
8. Full form of PCRA
9. Name the process involved in refining of petroleum
10. Name any two products of petroleum which are not used as fuel

11. Constituent of CNG and LPG
12. An alternate fuel
13. An exhaustible resource
14. A substitute for coal tar used to surface road
15. Fuel used in jet aircrafts
16. Fuel which is considered the best for commercial use
17. Unlimited resources which are likely to be exhausted by human activity
18. Fossil fuel which is easily transported through pipe
19. Substance X undergoes destructive distillation to produce A- a gas, B- a water soluble compound, c- dark black liquid. Identify all
20. Burning of certain fuels like diesel, petrol etc produces oxides which are responsible for acid rain.
21. Best primary fuel
22. Type of fuel which are more eco -friendly as compared to fossil fuels
23. Fossil fuel which is easily transported through pipes
24. Resources present in ultimate amounts in nature
25. Name a cleanest fuel

Questions

1. Can coal and petroleum be prepared in laboratory from dead organisms?
2. Are fossils fuel called exhaustible natural resource?
3. Is fractional distillation used for refining petroleum?
4. What is the major constituent of LPG? Write its advantage and disadvantage

5. In what way natural gas is better than the others?
6. Explain the formation of coal
7. How is coal tar obtained?
8. Write one use each of the following
 - a) Asphalt
 - b) diesel
 - c) lubricating oil
 - d) paraffin wax
9. Define carbonization
10. Advantages of CNG as a fuel
11. Which of the two fossils fuels is better coal or petroleum? give two reasons
12. What are alternate sources of energy preferred over fossil fuels?
13. In the following two pairs which one is better
 - a) Petrol and coal
 - b) LPG and wood
 - c) LPG and coal
14. What are petrochemicals? Write two uses.
15. How is acid rain caused due to fossil fuel? Why is it harmful?
16. Write any two practices that you can follow and help you to conserve fossil fuel
17. CNG is more polluting than petrol. True or false? justify your answer.
18. Coal should be used judiciously. justify
19. Unlimited resources which are likely to be exhausted by human activities
20. Usually the tankers carrying petrol have words highly inflammable written on them. Why?
21. What is the 4R principle that one should practice to save the environment?
22. Give two advantages and two disadvantages to use LPG
23. Write down the various products of destructive distillation and its uses

24. Why do we need to look for alternate sources of energy?
25. What is the chemical composition of coal?
26. Name and process of synthesis of coal
27. Define fossil fuel
28. Where do we find natural gas?
29. What is crude petroleum?
30. Which one you would like to use between coal and LPG as domestic fuel?
31. What is the physical and chemical property of coal?
32. uses of coal
33. Name some non- conventional sources of energy
34. Expand CNG, LPG, CFC, SPM
35. The amount of carbon di oxide is increasing in the atmosphere. Why?

Analyze the followings

1. We are using fuels at an alarming speed which soon may result in their complete disappearance. We now need to develop and employ alternate sources of energy to save fuels for future generation. Suggest some alternate sources of energy. Also write any two advantages of using them over conventional sources of energy
2. Shreya tells her father that she will use the school bus instead of going by car after her teacher told her how important it is to conserve natural resources
 - a) Name the organization which advices people to save fuel
 - b) Mention any two guide lines other than suggested above
 - c) List the value she learnt

Differences

1. Differentiate between exhaustible and non- exhaustible Resources
2. Differentiate between coal and petroleum?
3. Give the difference between acid rain and global warming