

1. What is a fuel ?
2. Name the gaseous fuel which has the highest calorific value ?
3. Name the major sources of energy that largely fulfils the growing demand of energy in our country?
4. State the ultimate source of energy of fossil fuels ?
5. The use of dry wood as domestic fuel is not considered as good . State two reasons for it .
6. What are the two disadvantages of burning fossil fuels ?
7. Name any two renewable sources of energy .
8. Name two sources of energy which are pollution free .
9. Name the reaction responsible for large energy production in the sun .
10. In solar cooker ,why is its inner surface blackened ?
11. Why is the solar cooker box covered with a plane glass plate ?
12. What type of reflector is used in box type solar cooker ?
13. Mention the main purpose of using a plane mirrors in solar cookers .
14. Name the device that directly converts solar energy to electric energy .
15. Which material is best suited for making solar cells ?
16. Name Chief Components of solar cells .
17. Which energy conversion takes place in a solar cells ?
18. List 2 main advantages associated with a solar cells .
19. What is a solar panel ?
20. What is a wind energy ?
21. What is a chief source of wind energy ?
22. What is the minimum wind velocity required for obtaining electric power with a windmill generator ?
23. How has the traditional use of wind energy been modified for our convenience ?
24. Construction of dams submerges large areas of forest. How does this contribute to the greenhouse effect
25. How does construction of dams across the river get linked with the production of green houses gases
26. List any one harm caused to environment by hydropower plant ?
27. What type of energy is possessed by huge waves near the sea shore ?
28. Write two different ways of harnessing energy from ocean.
29. What is bio-mass ?
30. Give the composition of the slurry fed into the digester of a gober gas plant .
31. What is bio-gas?
32. Which one of the following gases is the major constituent of bio-gas ? Carbon monoxide, hydrogen, methane, carbon dioxide.
33. What is the use of the slurry left behind in the digester of the bio-gas plant ? give reasons.
34. List two nutrients that the slurry left behind in a bio-gas plant contains.
35. How does bio-gas plant help to reduce the problem of pollution ?
36. Define the term "nuclear fission".
37. Write one advantage of nuclear fission reaction.
38. Suggest any two reasons which make the large scale usage of nuclear energy prohibitive.
39. Write the full form of CNG.
40. Name the volatile liquid boiled with the warm surface water of oceans for running oceans thermal energy plants
41. Write the name of the substance whose vapors are used to run the turbine of the generator of ocean thermal energy plants.