

JSUNIL TUTORIAL

ACBSE Coaching for Mathematics and Science

ASSIGNMENT

- Q. 1.** Why there is a need for energy?
- Q. 2.** Give some sources of energy?
- Q. 3.** Give the main categories of source of energy?
- Q. 4.** Which of the following are renewable and which are non-renewable sources of energy:
Coal, wind, tides, sun, petrol, bio-mass, cng, hydro-energy
- Q. 5.** What is solar energy?
- Q. 6.** Which part of the sun's energy is responsible for drying clothes?
- Q. 7.** Which component of the sun's energy responsible for skin cancer?
- Q. 8.** What are semi-conductors?
- Q. 9.** Define ocean thermal energy?
- Q. 10.** define geothermal energy?
- Q. 11.** Define bio-mass? Give its three examples.
- Q. 12.** Define anaerobic degradation?
- Q. 13.** Explain why a reflector is used in a solar cooker?
- Q. 14.** What causes a wind to blow?
- Q. 15.** Define solar constant?
- Q. 16.** Explain how the high temperature is maintained inside a solar cooker?
- Q. 17.** Distinguish between renewable and non-renewable sources of energy?
- Q. 18.** What is the use of black painted surface in solar heating device?
- Q. 19.** Charcoal is better fuel than wood and coal, still its use is discouraged. Why?

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- Q. 20. Why is bio-gas a better fuel animal dung-cake?
- Q. 21. Why sun is called the ultimate source of fossil fuels?
- Q. 22. Write a short note on 'green house effect'?
- Q. 23. What are the advantages of nuclear energy?
- Q. 24. Why are we looking for alternate source of energy?
- Q. 25. Define bio-degradable wastes?
- Q. 26. What protects us from the harmful effect of ultra violent rays of the sun?
- Q. 27. Define food web?
- Q. 28. Define producers and consumers and give their examples?
- Q. 29. Why do we say that flow of energy in the ecosystem is unidirectional?
- Q. 30. What will happen if we kill all organisms of one tropic level of food chain?
- Q. 31. What is Ganga action plan?
- Q. 32. Define sustainable development?
- Q. 33. What is the main aim of the conservation of forests?
- Q. 34. Who are stakeholders?
- Q. 35. What do you mean by water harvesting?
- Q. 36. What do you mean by chipko movement?
- Q. 37. Why do you think there should be equitable distribution of resources?