

MAHESH PUBLIC SCHOOL, JODHPUR

WORKSHEET – 3

CLASS X

Subject : SCIENCE

Chapter : Sources of Energy

MCQ's:

1. Which is the most popular kitchen fuel in India?
 - a. LPG
 - b. Kerosene
 - c. Coal
 - d. Firewood
2. Which method is used to produce electricity in hydroelectric power plant.
 - a. By boiling the water to produce steam
 - b. By ionizing water
 - c. By running dynamo by kinetic energy
 - d. Any of the above
3. Which of the following is the odd one out?
 - a. Petroleum
 - b. Hydro electricity
 - c. Coal
 - d. CNG
4. Which method is used to produce electricity in thermal power plant?
 - a. By heating chargeable cells
 - b. By boiling water
 - c. By pushing pistons by heat energy
 - d. Any of above
5. Which of the following is a component of bio-gas?
 - a. Methane
 - b. LPG
 - c. CNG
 - d. Hydrogen sulphide

FILL IN THE BLANKS:

1. Mirrors used for solar cooker are _____ .
2. A fuel is a good one if its _____ value is high.
3. Geothermal energy is widely trapped in USA and _____.
4. Ocean thermal energy is used to boil _____ before running the turbine.
5. Artificial satellites and space probes are electrified using _____ .

SHORT ANSWERS:

1. Which force is responsible for stability of our universe?
2. Name the reaction responsible for large energy production in the sun.
3. How has the traditional use of wind energy been modified for our convenience?
4. Biogas is considered to be a boon to the farmers. Give reasons.
5. What is a solar cell panel? Mention any three of its applications?
6. Why are many thermal plants set up near coal or oil fields?
7. Distinguish between renewable and non-renewable resources of energy. Also give examples
8. What is geothermal energy? What are the advantages of wind energy?
9. Name the device used to convert
 - a. Solar energy into heat
 - b. Solar energy into electricity
10. Write the principle of generation of electric power by a boiling water type nuclear reactor. Name the coolant used in such a reactor.