

WORKSHEET

CLASS-X

CHAPTER-5, Sources of energy

A. Give reasons, why.

1. Solar cells have gained much popularity in the last few decades.
2. Ocean Thermal energy power plants work on a principle.
3. Efficiency of solar heating devices is much lower than that of electrical appliances.
4. Water and wind energy has advantages as well as limitations.
5. Conventional sources of energy like fossil fuels should soon be replaced by alternate sources of energy.

B. Fill the gaps.

1. The Sun's energy powers the flow of _____ and _____ on earth.
2. Liquid hydrogen is used as a fuel in _____.
3. TV relay stations in remote areas use _____ panels.
4. The hydrogen bomb is based on thermonuclear _____ reactions.
5. The expensive material used in solar panels is _____.
6. For a useful windmill, the wind should flow at a speed of above _____ km/ hr.
7. To run a bicycle we use _____ energy.

C. Choose the correct option.

1. Which one of the following is not a source of energy?
 - a. Levers
 - b. Muscle power
 - c. Water stored at dams
 - d. Flowing water
2. Which of these sources of energy cannot be used as a source of energy on a cloudy day
 - a. Geothermal energy
 - b. Tidal energy
 - c. Nuclear energy
 - d. Solar energy
3. The energy is obtained by nuclear fusion process in
 - a. The sun
 - b. Nuclear reactor
 - c. Atomic bomb
 - d. Geosystem
4. The safest source of energy is
 - a. Fuel energy
 - b. Nuclear energy
 - c. Bio-energy
 - d. Solar energy
5. A turbine cannot be rotated by

- a. Flowing water
 - b. Heat of sun
 - c. Steam
 - d. Moving wind
6. Which of the following is not an example of a bio-mass energy source?
- a. Wood
 - b. Gobar- gas
 - c. Nuclear energy
 - d. Coal
7. A solar water heater cannot be used to get hot water on a
- a. Sunny day
 - b. Cloudy day
 - c. Hot day
 - d. Windy day
8. Which one of the plants use conventional source of energy?
- a. Thermal power plant
 - b. Hydropower plant
 - c. Solar panels
 - d. Windmill farm
9. In which of the following devices /processes, solar energy is converted into chemical energy?
- a. Solar evaporation
 - b. Photosynthesis
 - c. Solar cells
 - d. Solar heater
10. Which of the following is not a form of ocean energy?
- a. Geothermal energy
 - b. Ocean thermal energy
 - c. Tidal energy
 - d. Wave energy

D. Give one word for the following.

- 1. Energy from the oceans. _____.
- 2. Energy of flowing water. _____.
- 3. Energy of radioactive substances. _____.
- 4. Energy derived from the earth. _____.
- 5. Plants and animal waste. _____.
- 6. Device in which nuclear fission is carried. _____.
- 7. Mixture of petrol and alcohol. _____.