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SUBJECT:- PHYSICS

CLASS:- XTH

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SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 3. SOURCES OF ENERGY(NCERT QUESTIONS)

11. Can any source of energy be pollution free? Why or why not?

Ans. Yes, there can be a source of energy that can be pollution free in using it. e.g., sun's energy that is used in solar cooker, solar water heater, solar cell panels.

12. Hydrogen has been used as a rocket fuel. Would you consider It a cleaner fuel than CNG? Why or why not?

Ans. Hydrogen is a cleaner fuel than CNG because hydrogen on burning/combustion form water whereas CNG that contain methane burns to produce carbon dioxide.

13. Name two energy sources that you would consider to be renewable. Give reasons fur your choices.

Ans. Solar energy-it will not get exhausted it can be used for multipurpose-heating, burning and producing electricity. It will not cause any pollution, it is cheap and easily available.

Energy from water-Energy can be obtained from water in various form i.e., for producing electricity without pollution

QUESTIONS FROM NCERT BOOK

1. A solar water heater cannot be used to get hot water on

- (a) a sunny day. (b) a cloudy day. (d) a windy day. (c) a hot day.

Ans. (b) a cloudy day.

2. Which of the following is not an example of a bio-mass energy source?

- (a) wood (b) gobar-gas (c) nuclear energy (d) coal

Ans. (c) nuclear energy.

3. Most of the sources of energy we use represent stored solar energy. Which of the following is not ultimately derived from the Sun's energy?

- (a) geothermal energy (b) wind energy (c) Nuclear energy (d) Biomass

Ans. (c) nuclear energy