Question-13

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

Solution:

Hydro Energy and Solar Energy

Hydro energy or water energy is renewable source of electric energy, which will never get exhausted, since water is available in plenty.

Solar energy is also known as light energy, which is obtained from the sun and it will never get exhausted.

Question-14

Give the names of two energy sources that you would consider to be exhaustible. Give reasons for your choices.

Solution:

Coal and petroleum are the two energy sources that are considered to be exhaustible. They are non-renewable sources of energy and are present in a limited amount in the earth. Once exhausted, they will not be available to us again.

Question-15

A solar water heater can be used to get hot water on

(a) a sunny day.

(b) a cloudy day.

(c) a hot day.

(d) a windy day.

Solution:

(a) a sunny day.

Question-16

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

(a) wood

(b) gobar-gas

(c) nuclear energy

(d) coal.

Solution:

(c) nuclear energy.

Question-17

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) bio-mass.

Solution:

(c) nuclear energy.

Question-18

Compare and contrast fossil fuels and the Sun as direct sources of energy.

Solution:

Fossil fuels are non-renewable sources of energy. These non-

renewable sources of energy (like coal, petroleum, natural gas) are present in a limited amount in the earth. Once exhausted, they will not be available to us again.

The sun is the source of all energy. The sun is a renewable source of energy, provides us heat and light energy free of cost. The energy obtained from the sun is called solar energy. The energy coming from the sun contains heat rays, visible light, ultra-violet rays and some gamma rays.

********** END *********