

CHAPTER 20

FUELS

KEY WORDS:

1. Sustainability : Ability of a substance to continue to exist as it is at present.
2. Non- renewable : Fuels of energy that takes millions of years to form and cannot be replaced easily.
3. Indiscriminate usage : Using a costly substance to the point of wastage.
4. Renewable sources : Fuels as source of energy that can be replaced.

Q1. Fill in the blanks:

1. A fuel produces heat, light and power when burned.
2. Burning of coal can have bad effects on the environment.
3. An example of fossil fuel is coal, petrol, diesel and natural gas.
4. Diesel, kerosene and LPG is a product of petroleum.
5. Petroleum is known as black gold.

Q2. Complete the chart using information from the lesson

<u>Sno.</u>	<u>TYPES OF FUEL/ ENERGY</u>	<u>SOURCE</u>	<u>TWO USES</u>
<u>1.</u>	<u>COAL</u>	<u>Dead and decaying plants and animals</u>	<u>a) It is used to generate electricity. b) It is used in industries.</u>
<u>2.</u>	<u>PETROLEUM</u>	<u>Dead and decaying plants and animals</u>	<u>It is used to run vehicles.</u>
<u>3.</u>	<u>NATURAL GAS</u>	<u>It is deposited near oil deposits.</u>	<u>a) It is used as alternative fuel b) It is used in car , buses and trucks.</u>
<u>4.</u>	<u>BIOFUEL</u>	<u>Organic plants and animals waste like vegetable oil of corn, rice and animal fats</u>	<u>It is used as alternative fuel.</u>

<u>5.</u>	<u>HYDRO POWER</u>	<u>Water bodies like rivers , dams etc</u>	<u>It is used to generate electricity.</u>	
<u>6.</u>	<u>SOLAR POWER</u>	<u>Sun</u>	<u>It is used to run solar pannels.</u>	

Q3. Write true or false.

1. Fossils fuels are renewable sources of energy. (FALSE)
2. Coal is the worlds largest sources of energy for the production of electricity. (TRUE)
3. Petroleum is extracted in gaseous form the earth. (FALSE)
4. Natural gas is as clean as solar energy. (TRUE)
5. walking or riding a bicycle is a healthy potion for saving precious fuels. (TRUE)

Q4. Answer the following question:

1. Mention three uses of fuels other than households.

Ans. A) Fuels are used to run vehicles like trains , buses, and metro trains.

B) Fuels are used in industries.

C) Fuels are used in agriculture.

2. What are Non- renewable sources of fuels? Give examples.

Ans. Fuels that takes millions of years to form and cannot replaced easily are called Non- renewable sources of fuel. E.g. fossil fuels like coal, petrol, diesel and natural gas.

3. How can we conserve fuels for the future generation.

Ans. We can conserve fuels for future generation by following ways.

a) We should use public transport instead of using private vehicles.

b) Go by walking in a short distance as it is healthier option.

c) Our vehicles gets servicing at proper intervals.

d) While at home we should not waste electricity.

4. What are renewable fuels? Give examples.

Ans. Fuels that can be replaced easily are called renewable fuels. E.g. solar energy, hydro energy geothermal energy and wind energy.

5. What are Biofuels ?

Ans. Biofuels are fuels produced from organic plants and animals waste like biomass.

6. What is a fuel?

Ans. Fuels are sources of energy. They are substances that when burned release heat energy, light energy and power to do work.

7. What is natural gas?

Ans. It's a gas that deposits near oil deposits. It is used in several ways for industrial, residential and transportation purposes.