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exercises.

A Tick the write option.

Q1 The pull between the earth and object is a force of _

Ans Gravity

Q2 Machines like _ make our work easier.

Ans all of these

Q3 The ability to do work is called _

Ans Energy

Q4 Energy form the sun is called _ energy

Ans Solar

Q5 _ is not a fossil fuel

Ans Air

B Short answers

Q1 Why doesn't the water from oceans spill out in space?

Ans The water from oceans doesn't spill out in space. Because of the gravitational force.

Q2 Why does a rolling ball stop after some time?

Ans A rolling ball stop after some time due to friction.

Q3 During photosynthesis, which energy is converted into chemical energy?

Ans During photosynthesis, solar energy is converted into chemical energy

Q4 What is the muscular energy?

Ans The energy stored in our muscles is called muscular energy.

Q5 Give an example where electrical energy is converted into light energy

Ans When we switch on an electric bulb, it gets lighted. Here, electrical energy gets converted into light energy

C Long answers

Q1 What can force do to an object?

Ans A force can make an object move, stop, change its shape, change its direction, increase or decrease its speed.

Q2 Solar cell, solar cookers and solar heaters convert solar energy into which energy ? What are the uses of solar cells, solar cookers and solar heaters?

Ans Solar cell, solar cookers and solar heaters convert the solar energy into heat energy.

1 Solar cells are used for providing electricity in artificial satellites.

2 Solar cookers are used for cooking food.

3 Solar heaters are used for heating domestic water.

Q3 What are uses of wind energy?

Ans Wind energy is used in generating electricity and pumping out underground water and moving sail boat.

Q4 How is hydroelectricity produced in hydropower stations?

Ans The energy of the fast flowing water from the gates of the dam is used to produce electricity in hydropower stations

Q5 How are fossil fuels formed?

Ans Fossil fuel are from the remains of dead plants and animals which got buried under the earth's crust millions of years ago.

D Fill in the blanks

1 The atmosphere is held around the earth due to

Ans gravity

2 The brakes of a bicycle use – force

Ans friction

3 – energy is the energy of flowing water

Ans hydro

4 _ is the main source of energy on earth.

Ans Sun

5 We use – energy to hit the ball in cricket.

Ans Muscular

E State True or false.

1 Force can change the speed of an object.

Ans True.

2 Gravitational force pushes the objects up.

Ans False

3 Fossil fuel are easily available in plenty.

Ans False

4 When we push an object and it does not move, work is done.

AnsFalse

5 Sun is a non_ renewable source of energy.

AnsFalse

F Match the columns

1 Fossil Fuel _ Petroleum

2 Hydro energy _ Water

3 solar energy _ Sun

4 Muscular energy _ Muscular

5 Wind energy - Air

QG Give two examples each of.

1. Kinds of energy.-_:----- Wind energy,hydro energy.

2. Renewable sources-----solar energy, wind energy

3. Non renewable sources---coal, petrol

4. simple machine----plirers, screw

5. Forms of energy----wind energy, heat energy.

H Puzzle and Quiz

Q1 Write the kind of forces that is used in each of the following cases.

1 Muscular force

2 Muscular force

3 Muscular force

4 Muscular force / fricition

5 Gravitational force

6 Friction muscular force

Q2 Find eight terms related to the lesson form the maze below.

1 work

2 pliers

3 renewable

4 frictional

5 force

6 energy_

7 musucular

8 conversion