

Revision
IVth Science

DATE: / /

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Que:1 Tick the correct option.

1. Wet clothes dry more quickly in —
(a) calm air (c) Fast blowing air
(b) vacuum (d) slow moving air

2. Sea breeze blows from —
(a) sea to the land
(b) land to the sea
(c) sea to the sea
(d) land to the land

3. We need energy to do —
(a) playing (b) reading
(c) fighting (d) All of them

4. Electrical energy is used to run —
(a) Fans (b) air-conditioners
(c) computers (d) All of them

5. Heat energy is obtained from —
(a) fuels (b) oil
(c) gas (d) All of them

6. When does the sun rise in winters?
(a) At 5:00 Am (b) At 7:00 Am
(c) At 9:00 Am (d) At 10:00 Am

7. which of the following are formed on the surface of the earth?

- (a) dew and frost
- ✓ (b) fog and rain
- (c) flintstones and snow
- (d) snow and rain

8. coal, petrol, oil and cooking gas are

- (a) heat energy
- (b) electrical energy
- (c) fuels
- ✓ (d) None of them

9. knife, hammer, needle and blade etc. are

- (a) complex machines
- ✓ (b) simple machines
- (c) working machines
- (d) None of them

Que:2 Fill in the blanks.

1. Dew is not formed in the cloudy night
2. we see dew drops early in the morning after a cold night on leaves
3. if ice crystals do not melt, they fall on ^{earth}
4. Snow are particles of ice in the form of balls.

5. To stop the motion of a body, we should apply Force against the direction of its motion.
6. Moving heater has energy. It can rotate a wheel.
7. A Railway engine gets its energy from steam.
8. Machines are used to make our tasks easy.
9. Frost and hailstones are harmful to our crops.
10. Evaporation takes place all the time.
11. Land gets heated faster than water.
12. Land breeze blows at night while Sea breeze blows during the day.
13. Force is needed to move an object.
14. Energy is used when force is applied.
15. Electrical energy is used to operate heater.
16. When we eat food, it changes into muscular energy.

Que:3. True/False.

1. Sand gets heated more quickly than water = T
2. The sun gives us heat and light. = T
3. On cooling, water vapour condenses into water drops. = T
4. The sun plays an important role in the change of weather. = T
5. Still air has capacity to do work = F
6. Moving water can not exert force. = F
7. Steam contains heat energy = F
8. Energy cannot be converted from the one form into another. = F
9. Sea breeze blows during the night = F
10. We can't see the wind, but we can see its effect. = T
11. The part that has summer, has shorter days. = F

12 Dew and frost are formed on the surface of the earth. = T

13. One form of energy can do only one type of work. - F

14 All machines are very simple - F

15 Wind energy helps a sailboat move. - T

16 Food contains chemical energy. - T

Que 4. Name the form of energy that -

1. is used to cook food - Heat energy

2. is used to run air conditioner - Electrical energy.

3. is used to run a car - Chemical Energy.

4. is used by plants to prepare food - light energy.

5. is used to run a bicycle - muscular energy.

Que: 5

Que // Ans.

Que: 1. How do machines help us? what are the different types of machines?

Ans. Machines make our tasks easy with their help a work can be done with less effort.

→ Machines are of two types:

(1) Simple Machines = knife, blade, needle etc.

(2) Complex Machines = bus, cycle, washing Machine etc.

Que: 2. Why is it hotter at noon than in morning and evening?

Ans. At evening or morning time we receive slanting rays while at noon we receive direct rays. Due to this it is more hotter at noon.

Que: 3. Why is sea water warm even after sunset?

Ans. Water absorbs and loses heat more slowly than sand or land. So, sea water is more warm even after the sunset.

Que:4 What is solar energy? write three uses of electrical energy.

Ans. Energy of sun is called solar energy.

→ Electrical energy is used:

(i) to run machines

(ii) to run trains,

(iii) to light bulbs.

Que:5 How does the sun cause changes in weather?

Ans. The sun causes the movement of air to make a wind or breeze and evaporation of water to make clouds and rains. This the sun is the controller of weather.

Que:6 What is energy? How does your body get energy?

Ans. Energy is capacity to do work. We get energy from food we eat.

Que:7 Name three examples of work done by using force.

Ans.

- (i) pushing an object
- (ii) pulling an object and.
- (iii) stopping a moving object.

Que: 8 What is meant by evaporation and condensation?

Ans. → Changing of water into water vapour due to heat is called ~~con~~ evaporation.

→ Change of water vapours into liquid after getting cooled is known as condensation.

Que: 9 What do you understand by the force of friction?

Ans. A force which stops the motion of moving body on a rough surface is called force of friction.

Que: 10 Why do we call the sun our main source of energy?

Ans. Because it provides us heat and light energy.