

Revision: Science  
STD - IV

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①

Part: A

Que: 1: Tick the correct option.

1. How much of earth's surface is covered by water?

- (a) three fourth (b) one fourth (c) two fourth

2. How many hours earth takes to go about its axis once.

- (a) 12 hours (b) 24 hours (c) 14 hours.

3. When does the sun rise in winter?

- (a) At 5:00 AM (b) At 10:00 AM (c) At 7:00 AM

4. Which is the next closest planet to the sun?

- (a) Mercury (b) earth (c) Venus

5. Sea breeze blows from —

- (a) sea to the land

(b) land to the sea

(c) none of them

6. A natural object made up of a large amount of gas which burns —

- (a) planet (b) star (c) satellite.

7. Which is very cold planet.

- (a) Uranus (b) Neptune (c) Saturn.

8. — hemisphere has winter season.  
(a) Northern (b) Southern (c) eastern
9. — is looks very much like a Uranus.  
(a) Saturn (b) Neptune (c) Jupiter.
- 10 A volcano is a mountain with a large opening at the —  
(a) Top (b) bottom (c) middle
- 11 The outer most surface of the earth is hard, while its inner surface is hot, and —  
(a) hard (b) soft (c) ruff
- 12 How many planets move around the sun —  
(a) eight (b) seven (c) Ten
- 13 The core of the earth is always under —  
(a) high temperature (b) low temperature  
(c) medium temperature.
- 14 on which planet life exists?  
(a) Jupiter (b) Earth (c) Venus

15. Which causes Ocean tides?  
✓(a) sun (b) moon (c) stars.
16. Heat energy is obtained from --  
(a) fuels (b) gas ✓(c) both (a) & (b)
17. How many layers earth has. —  
✓(a) three (b) Two (c) Four.
18. — causes changes in weather condition.  
✓(a) sun (b) moon (c) planets.
19. — planets has 1000 rings.  
(a) Jupiter (b) Saturn (c) Mars.
20. Uranus was the first planet that was discovered by using a —  
✓(a) telescope (b) microscope (c) Stereoscope.
21. Venus is the brightest and hottest planet. It is also called the — star.  
(a) Morning or noon ✓(b) Morning or evening  
(c) morning or night
22. — gets so hot during the day that it can melt even a metal.  
(a) Mars ✓(b) Venus (c) Saturn.

23. How many types of energy are there  
✓(a) three (b) four (c) two
24. — moves an object  
a) energy (b) work ✓(c) Force
25. We apply — in doing work.  
✓(a) Force (b) work (c) energy.
26. The world environment day is celebrated  
on — every year.  
a) 1985 - (b) 1972 - (c) 1982  
✓(a) 1985 ✓(b) 1972 (c) 1982
27. The gaseous envelope covering the earth  
is called —  
a) Ionosphere ✓(b) atmosphere (c) troposphere
28. — also use sunlight in their food  
making process.  
a) human beings ✓(b) plants (c) animals.
29. How many planets are there in our  
solar system.  
a) ten (b) seven ✓(c) eight
30. — is fastest revolving planet  
a) saturn (b) uranus ✓(c) mercury.

31) which season cause shorter and colder days.

✓ (a) winter (b) summer (c) monsoon

32) How many types of simple machines are there?

(a) seven (b) six ✓ (c) two (d) two

33) — is used to run air conditioner.

✓ (a) electrical energy (b) light energy  
(c) heat energy

34) leaves fall to the ground due to —

(a) Force (b) energy ✓ (c) gravity

35) knife, hammer, needle and blade etc are..

(a) simple machine (b) complex machine (c) none of these  
✓ (a) simple machine (b) complex machine (c) none of these

36) We need energy to do —

(a) playing (b) reading ✓ (c) all of them

37) which season cause longer and warmer days

✓ (a) summer (b) monsoon (c) winter

38) How much part of the earth is covered by water?

(a) one fourth (b) two fourth (c) three fourth

39. An imaginary line passing through the earth from north to south pole --  
✓ (a) axis (b) orbit (c) satellite.

0140. \_\_\_\_\_ water has energy. It can rotate a wheel.  
✓ (a) moving (b) flowing (c) sawing.

41. Acid rain pollutes our --  
(a) pollution (b) evaporation ✓ (c) Environment

0142. In the morning when the sun rises in the eastern sky, the shadow on the ground points towards the --  
(a) east ✓ (b) west (c) north.

43. The large water bodies on the earth are called pieces of land --  
✓ (a) Continents (b) oceans (c) seas.

44. When sun becomes very hot.  
(a) morning (b) evening ✓ (c) noon

0145. First aid prevents the condition of the victim from getting --  
(a) good ✓ (b) worst (c) both (a) and (b)  
good

Q 46. In simple machine force is provided by the  
— energy?

- (a) chemical energy (b) muscular energy ✓  
(c) none of them.

Q 47 working of a tube well contains —

- (a) electrical energy ✓ (b) Heat energy  
(c) Chemical energy.

Q 48 — is a very light and looks like  
tiny pieces of cotton as it falls to the  
earth.

- (a) Fog (b) Frost ✓ (c) snow

Q 49 working of a steam engine is —

- (a) heat energy ✓ (b) electrical energy  
(c) mechanical energy.

Q 50 — is not formed in the cloudy nights

- (a) Frost (b) fog (c) dew ✓

### Part : B

Que: 1 Fill in the blanks.

1. Trees purify the air.
2. Drinking polluted water can cause diseases.
3. Force is needed to move an object.
4. Land gets heated faster than water.
5. If ice crystals do not melt they fall on earth.
6. An animals and plants have their own environment.
7. Dew is not formed in the cloudy nights.
8. Evaporation takes place all the time.
9. A <sup>Railway</sup> engine gets its energy from the steam.
10. The outer most layer of the earth is called crust.



11. Machines are used to make our tasks easy.

12. Electrical energy is used to operate heater.

Que 2. True or False.

1. The sun is a star. = T

2. Still air has capacity to do work. = F

3. Food contains chemical energy. = T

4. Steam contains heat energy = F

5. The sun gives us heat and light = T

6. Sea breeze blows during the night. = F

7. The part that has summer, has shorter days. = F

8. Trees play no role in pollution. = F

9. Acid rain pollutes our environment. = T

10. pollution is bad for our environment = T

0 11. steam contains chemical energy. = F

0 12. Planets move along a fixed path. = T

Que: 3. Do Matching.

1. Jupiter = largest planet

2. Mars = Red Planet

3. Mercury = Fast revolving planet.

4. Uranus = Bluish Planet

0 5. Bullock Cart = muscles

6. Car = Petrol.

7. Saturn = Planet with over 1000 rings.

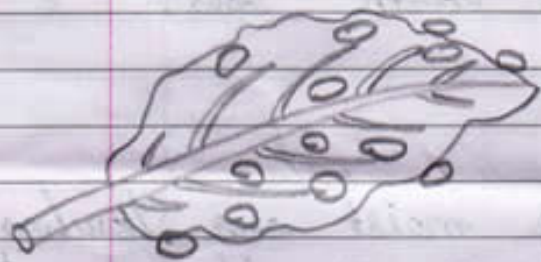
Que: 4. Define.

1. **Fog** : Sometimes in winters, the water vapour present near the earth surface condense on the smoke or dust particles to form fog.
2. **Hailstones** : The rain drops freeze and become hail, which fall down on to the earth as hailstones.
3. **Dew** : When the moist air touches the grass, leaves or flowers, its water vapour gets cooled and condense there into water droplets called dew.
4. **Jupiter** : Jupiter is the largest planet of the solar system. It has 16 known moons.
5. **Frost** : When it is very cold the dew or surface water freeze into tiny crystals. It is called frost.

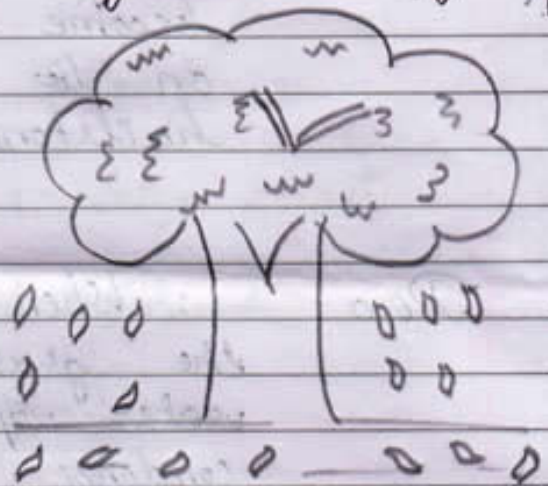
6. Saturn = Saturn is the second largest planet of the solar system. It has 18 known moons.

Que 15. Draw the diagram with colour.

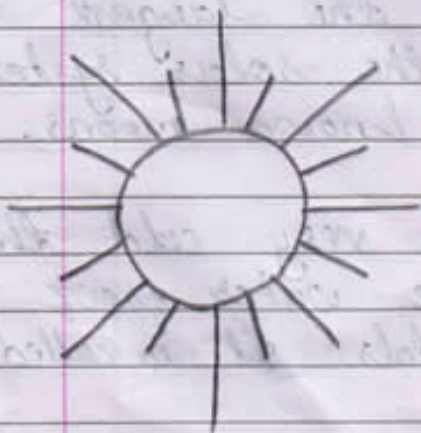
① Dew



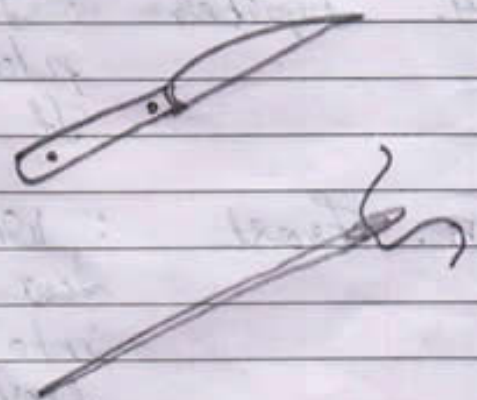
③ leaves fall on the ground due to gravity



② The Sun



④ Any two simple machines.



Que! 6. Answer the following questions in short.

Que! 1. What is solar energy?

Ans. Energy of sun is called solar energy.

Que! 2. How do machines help us?

Ans. Machines make our tasks easy.

Que! 3. How are seasons caused?

Ans. Seasons are caused due to the revolution of the earth.

Que! 4. Name three forms of energy?

Ans. ① Heat energy ② electrical energy  
③ light energy.

Que! 5. What is sun?

Ans. The sun is a star.

Que! 6. What is energy? How does your body get energy?

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

Que! 7. What do you mean by farm pollution?

Ans. Adding harmful substance to the environment is called pollution.

Que: 8. What do we call the sun our main source of energy?

Ans. Because it provides us heat and light energy.

Que: 9. Name three examples of work done by using force?

Ans. ① Pushing an object ② pulling an object  
③ stopping a moving object.

Que: 10. What is the star made up of?

Ans. The star is made up of hot gases.

Que: 11. What is not formed in cloudy nights?

Ans. Dew is not formed in the cloudy nights.

Que: 12. How long does it take the earth to rotate around its axis and to revolve around the sun?

Ans. 24 hours and one year.

Ques 7. Answer the following questions in brief.

Ques 1. Why is earth a planet?

Ans. It is a ball of rocks. It does not have its own lights and heat. It revolves around sun.

Ques 2. Why is sea water is warm even after sun set?

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

Ques 3. How does machines help us?

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

Ques 4. What do you mean by a satellite?

Ans. Any natural object that revolves around a planet, is known as the satellite of the planet.

Ques 5. How does sea breeze occur?

Ans. When air blows from sea to land during the day, it is called sea-breeze. During the day air above the sea heats up slowly than the air above the land.

so, air above land moves upwards. To fill this space cool air above the sea moves towards land thereby causing sea breeze.

Que: 6 What do you understand by the force of friction?

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