

IV - EVS

Ln 33 - STARS AND PLANETS

I) Fill in the blanks :

1. _____ emit or reflects their own light all the time.
2. Planets do not _____ like stars.
3. The moon reflects the light of the _____.
4. _____ is the planet nearest to the sun.
5. _____ is the planet farthest to the sun.
6. Artificial Satellites help us in _____.
7. The Earth moves round sun on its own _____.
8. The Earth's moon is _____ km away from the Earth.
9. The first Russian satellite Sputnik-I was launched on _____.
10. The _____ is a huge ball of hot gases.
11. The _____ is the natural satellite of the earth.

II) Match the following :

- | | | |
|----|-------------------------------|----------------------------|
| 1. | Days and nights are not equal | a. thirty moons |
| 2. | The seasons are caused by the | b. sixty one moons |
| 3. | Saturn has | c. Aryabhata |
| 4. | Jupiter has | d. revolution of the earth |
| 5. | The first Indian Satellite | e. at equator |

III) True or False :

1. The moon is the star nearest to the earth about 148.8 millions km away. ()
2. The axis of the earth is tilted. ()
3. Each planet travels along its own path called orbit.()
4. The sun is the natural satellite of the earth.()

5. The hot molten liquid which oozes out from the cracks within the crust called lava ()

Note :

- Diagram – Name the eight planets of the Solar System.
- Learn text book exercises, highlighted points, definitions, Question & Answers.

Ln 30 – AGENCIES INVOLVED IN COMMUNITY SERVICES :

I) Fill in the blanks :

1. A panchayat has 7 to 15 member with $\frac{1^{rd}}{3}$ representation of _____
2. The head of the panchayat is called _____.
3. The local body that governs a big city is called _____.
4. The head or chair person of the Municipal Corporation is called _____.
5. A Corporation is an _____ body.
6. Non-Governmental organization work for the benefit of the _____.
7. Mahila Mandals work for the welfare of the _____.

Note :

Learn by heart – Now I Know, Did you know, Question & Answers

Ln 34 – STATES OF MATTER:

I) Fill in the blanks :

1. All materials are composed of _____.
2. Anything that has _____ and occupies _____ is called matter.
3. The empty space between the molecules is called _____.
4. All matter is made up of very tiny particles called _____.
5. Liquids have definite _____, but no definite _____.
6. A substance which dissolves in a liquid is called _____.
7. Molecules in a _____ are closely packed.
8. When a _____ changes take place, a new substance is formed.
9. Matter exists in _____ states.

10. Molecules in a _____ are loosely packed.

II) Name the following:

1. Any two solids - _____

2. Any two liquids - _____

3. Any two gases - _____

4. Any two gases that dissolve in water - _____

5. Any three states of matter - _____

III) True / False:

1. All the molecules are constantly moving . _____

2. Potassium Permanganate solution is blue in colour. _____

3. Water is a universal solvent . _____

4. Intermolecular space between the molecules is maximum in liquids. _____

5. Solids have definite shape and volume. _____

IV) Match the following:

1. Burning of wood	-	Solution ()
2. Sugar in water	-	Soda water ()
3. Carbon dioxide	-	Chemical change ()
4. Melting of wax	-	Constantly moving ()
5. Molecules	-	Physical change ()

Ln 35 – SOIL:

I) Fill in the blanks :

1. _____ contains the remains of dead plants and animals.

2. There are countless number of _____ present in the soil.

3. The soil deposited by the river is called _____.

4. The _____ is made up of porous and non-porous rock.

5. The topsoil is _____ in colour.

6. The _____ are built on the banks of river where water strikes with great force.
7. The protection of soil from washing away by eroding agents is called _____.
8. Soil is the _____ layer of the earth's crust.

II) True / False :

1. The subsoil is best for plants.
2. Water cannot pass through porous rock.
3. Soil erosion can be reduced by constructing dams.
4. Different kinds of animals and plants live in the soil.
5. Topsoil is washed away easily by natural forces.

III) Match the following :

1. Eroding agent	Plantation
2. Conservation of soil	running water
3. Terrace farming	Humus
4. Makes soil fertile	Rats, rabbits
5. Animals live in the soil	Hilly areas

Ln 36 – WORK, FORCE AND ENERGY:

I) Fill in the blanks :

1. Pushes and pulls are called _____.
2. Energy is the _____ to do work.
3. The energy that we get from food is called _____.
4. The _____ is the most important source of heat energy.
5. To make a moving body stop force is applied in the _____ direction.
6. A screw driver is a kind of _____.
7. _____ is a kind of force which makes moving things stop.
8. In an electric iron _____ energy is converted into _____ energy.

9. Force changes the _____ of a moving body.
10. The force that pulls everything towards the earth is called _____.
11. When a force moves an object through some distance _____ is done
12. A _____ is a tool or an apparatus which helps us to do work by applying lesser force.
13. When you play or jump you make use of _____ energy.
14. _____ used wind energy.
15. The energy that turns the wheels of the _____ comes from the steam.
16. Electrical gadgets such as fan, bulb etc work with the help of _____ energy.
17. _____ increases the speed of work.
18. Machines make work easier as it _____ the applied force.
19. _____ increase the speed of work.

II) Name the following :

1. The energy used by green plants to make their food _____
2. Two simple machines _____
3. Any three forms of energy.

4. The smallest particle of matter. _____
5. The energy which is used to drive the windmill _____.
6. An appliance that changes electrical energy into heat energy.

7. An appliance that changes electrical energy into sound energy.

8. An appliance that changes electrical energy into light energy.

III) Match the following :

1. Wind mill	Electrical energy to light energy []
2. Chemical energy	Solar energy []
3. Atomic energy	Wind energy []
4. Transistor	By burning fuels []
5. Machines	Electrical energy to sound energy []
6. Sun	By splitting atoms. []
7. Electric bulb	Increase the speed of work. []

IV) Choose the correct answer :

- When force is applied on soft things their shape.
[changes / does not change]
- To stop a moving object we apply force in the [same/opposite] direction.
- Magnet has an energy which is called
[Mechanical energy/ Magnetic energy]

Ln 37 – SAFETY FIRST:

I) Fill in the blanks :

- _____ are caused by personal carelessness and hurry.
- _____ can prevent injuries.
- We can prevent accidents if we follow the _____ everywhere.
- We can help the victim who consumed poison by giving _____ water to drink to make him omit.
- _____ are caused due to faulty electrical wiring.
- The rules that we follow to keep ourselves safe from accidents are called _____.
- The immediate help given to an injured or sick person before proper medical aid arrives is called _____.

II) Write True or False :

- Wear nylon clothes while cooking in the kitchen. _____.
- Never touch electrical appliances if your hands are wet. _____.

- 3.The switch should not be turned off before touching an electrical appliance._____
- 4.Never forget to turn off the gas stoves when not in use._____
- 5.Always use electrical equipments with great care. _____
- 6.All medicines and poisonous things should be stored out of the reach of the children._____
- 7.Always walk on footpath._____
- 8.Stale and exposed food can cause food poisoning._____
- 9.First aid can save a person's life._____
