



VIDYA SHREE ACADEMY

SR. SEC. SCHOOL

An English Medium Co.Ed. School | Science & Commerce



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SUBJECT: EVS

CLASS: 4

CHAPTER 26 (Things Around Us)

Learn and write the following hard words-

1. Matter
2. Physical
3. Solution
4. Oxygen
5. Solid
6. Liquid
7. Molecules
8. Definite
9. Attraction
10. Dissolved
11. Quality
12. United
13. Obstacles

Learn and write the following book exercises-

EXERCISES

(Use Cordova Smart Class Software on the smart board in class to do these exercises.)

A. Tick (✓) the correct answers.

✓ 1. Matter is made up of tiny particles called
(a) molecules. (b) solids. (c) gases.

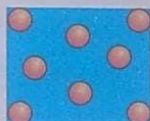
2. A matter that has a definite volume but no definite shape is called
(a) solid. (b) liquid. (c) gas.

3. A matter that cannot flow is
 (a) gas. (b) liquid. (c) solid.
4. Rusting of iron is a change.
 (a) physical (b) chemical (c) biological
5. The molecules can be seen only under
 (a) stethoscope. (b) telescope. (c) electron microscope.

B. Fill in the blanks.

1. Anything that has mass and occupies space is called *matter*.....
2. Water changing into ice is an example of *physical*..... change.
3. The substance we get when a solute is dissolved in a solvent is called a *solution*.....
4. Plants and animals breathe *oxygen*..... dissolved in water.
5. A change in which no new substance is formed is called a *Physical change*.....

C. Identify and name the states of matter by looking at the arrangement of molecules in the following pictures. Write in the given blanks.



1. *gas*.....



2. *solid*.....



3. *liquid*.....

Learn and write the following questions and answers-

Very short answer questions.

1. Name the solute and solvent in (a) sugar solution (b) salt solution.

1. (a) Sugar solution: Solute is sugar. Solvent is water.
 (b) Salt solution: Solute is salt. Solvent is water.

2. Name any 2 gasses that dissolve in water.

Oxygen and carbon dioxide are the gases that dissolve in water

Short answer questions.

1. Why do liquids flow?

Liquids can flow because the molecules in them are less closely-packed and free to move. Therefore, they can flow.

2. Why do solids have a definite shape?

Solids have a definite shape because molecules are very closely-packed in them and have a strong force of attraction between the molecules.

3. What is meant by the solution?

The substance we get when a solute is dissolved in a solvent is called a solution.

Long answer questions.

1. List the differences between solid, liquid, and gasses.

Solid	Liquid	Gas
(i) Molecules are closely -packed.	(i) Molecules are less closely-packed.	(i) Molecules are loosely- packed.
(ii) Force of attraction between the molecules is very strong.	(ii) Force of attraction between molecules not as strong as solids.	(ii) Force of attraction between molecules is very weak.
(iii) Definite shape	(iii) No definite shape, it takes the shape of the container.	(iii) No definite shape.
(iv) Definite volume	(iv) No definite volume	(iv) No definite volume
(v) Do not flow	(v) Flows easily	(v) Flows easily

2. What is the difference between a physical and a chemical change? Give 2 examples of each.

Physical Change	Chemical Change
(i) A change in which the nature of molecules of the substance does not change.	(i) A change in which the nature of molecules of the substance changes.
(ii) No new substance is formed, eg.,cutting of paper, water changing into ice.	(ii) New substances are formed, eg., rusting of iron, burning of paper.