9 – Matter

EXERCISE

Class – 4

E.V.S

A. Multiple Choice Questions (MCQs).

Choose the correct answer from the following:

1. Which state of matter does not take the shape of the container?

a. solid b. liquid c. gas

2. Which state of matter has the most loosely packed molecules?

a. solid b. liquid c. gas

3. A liquid in which a solid dissolves is called

a. solute b. solution c. solvent

4. In sugar solution, sugar is a

a. solute b. solvent c. solution

B. Fill in the blanks:

1. The amount of space an object takes up is called . _____
2. A liquid has a definite _____ but no definite _____
3. A solid changes into a liquid on _____ .
4. Matter exists as _____ ,_____ and _____.
5. Water vapour is an example of _____ .

C. State whether the given statements are True or False.

1. Oil is soluble in water.
2. Gases take the shape of the container in which they are kept.
3. Molecules are tightly packed in a liquid.
4. A solid has a definite shape and size.
5. In a sugar solution, the sugar is the solvent.

D. Match the following columns:

Column–I	Column–II
1. Heating and cooling	(a) have fixed volume and shape
2. Fish breathe oxygen	(b) carbon dioxide in it
3. Solution	(c) dissolved in water
4. Solids	(d) produce important change in materials
5. Coke	(e) solute dissolved in solvent

E. Define the followings:

1. Solid _____
2. Liquid _____
3. Solvent _____
4. Solute _____
5. Gas _____

1. What is matter?

2. What is a solution?

3. Name three gases which dissolve in water.

4. How will you show that the gas does not have a definite volume?

5. What is the difference in the ways the molecules are placed in solid, liquid and gas?

Life Skill

A. Plastics are threat to the environment. We should stop using things made of plastic.

a. Stop using polybags.

b. Start carrying jute/paper bags to the market.

c. Do not throw the things made of plastic in open as they pollute your surroundings.

d. We should reuse the things as much as possible.

e. Always use such things that can be recycled and reused.

B. Which things dissolve in liquid (water)? Collect the following things from your kitchen: sugar, dal, turmeric powder, salt, wheat flour and pepper powder. Try to dissolve a spoonful of each in a separate glasses of water. Now differentiate the soluble and insoluble matters.

Prepare a chart showing the soluble and insoluble matters of your house.

Thank
you!