



LESSON: STATES OF MATTER

WORKSHEET

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NAME: \_\_\_\_\_ DATE: \_\_\_\_\_ CLASS: IV SEC: \_\_\_\_\_

**I. Complete the table related to different states of matter.**

Solids	Liquids	Gases
Have a fixed shape		These occupy the entire container
	Molecules are less loosely arranged	
Solids don't flow		They flow
Fixed volume		No fixed volume

**II . Fill in the blanks to complete the sentences.**

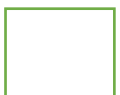
- Anything that has mass and occupies space is called \_\_\_\_\_.
- The process by which a liquid changes into gas or vapour is called \_\_\_\_\_.
- \_\_\_\_\_ is a substance that gets dissolved in a solvent.
- The process by which a liquid changes into solid is called \_\_\_\_\_.

5. \_\_\_\_\_ is a liquid in which a solute is dissolved.

6. A process by which a solid changes into liquid is called \_\_\_\_\_.

**III Read the questions given and tick the correct answer.**

- In which of the following options given in the box below are the molecules tightly packed?



2. Solid : Liquid :: Melting

\_\_\_\_\_ :: Freezing

a. Gas : Liquid

b. Liquid : Gas

c. Solid : Gas

d. Liquid : Solid

3. When we pour water from jug to glass ,What shape does it take ?

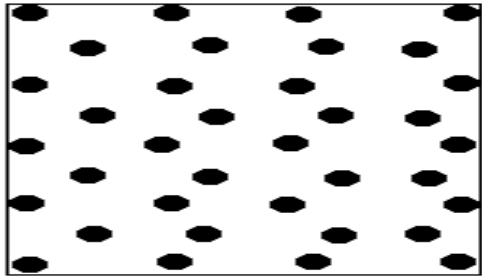
a. Shape of jug

b. Shape of glass

c. Liquid has no definite shape

d. None of the above

4. The figure shows the arrangement of molecules in \_\_\_\_\_.



- a. Solid                      b. liquid                      c. gas

5. Study the table carefully.

Solute	Solvent
Sugar	Water
Milk	Water
Oxygen	Water
Diesel	Water

Which of these is a solution of gas in liquid?

- a. Diesel in water
- b. Oxygen in water
- c. Sugar in water
- d. Milk in water

6. The gas we use in the kitchen is called liquefied petroleum gas (LPG). In the cylinder it exists as a liquid. When it comes out from the cylinder it becomes a gas (Change – A) then it burns (Change – B). The following statements pertain to these changes. Choose the correct one.

- (i) Process – A is a chemical change.
- (ii) Process – B is a chemical change.

7. The sweet water is a \_\_\_\_\_ in water. The sugar is called the \_\_\_\_\_. The water that dissolves sugar is called the \_\_\_\_\_.

- a. solvent, solvent, solute
- b. solution, solute, solvent
- c. solution, solvent, solute
- d. solute, solvent, solution

8. Which one of the following is a chemical change?

- (a) Tearing of paper
- (b) Cooking of vegetables
- (c) Cutting of fruits
- (d) Boiling of water