

UNIT: 2 STATES OF MATTER

CLASS : 3

SUBJECT : SCIENCE

I. Indicate whether the following statements are true or false.

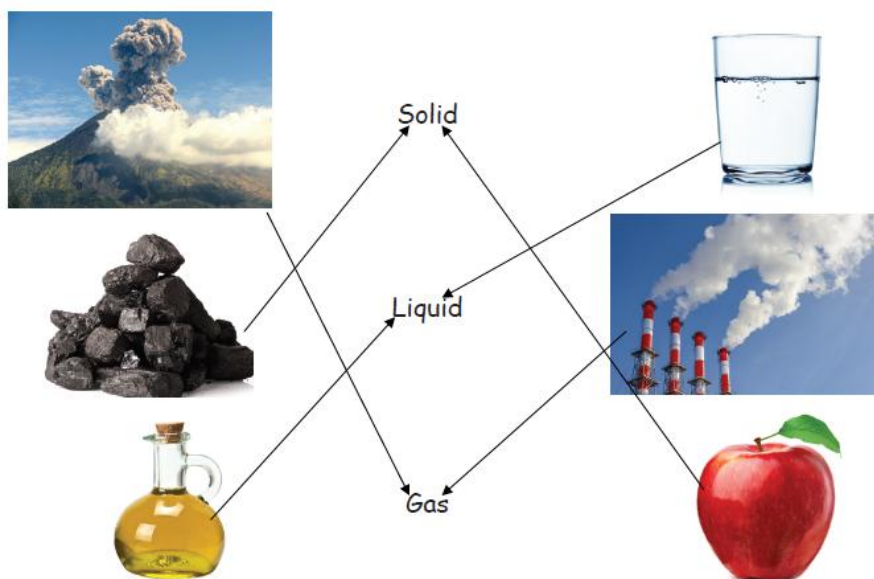
1. Solids have a definite volume. **True**
2. Liquids cannot flow. **False**
3. We can melt any substance by cooling it. **False**
4. Liquids can take the shape of the container. **True**
5. Gases have a definite shape or volume. **False**
6. Matter changes its state when heat is added or removed. **True**
7. A fuel is a substance which gives heat energy on burning. **True**

II. Fill in the blanks.

(Evaporation, Mass, Water, Solid, Stone, Freezing)

1. The measure of matter in an object is called Mass.
2. Change of liquid into vapour on heating is called Evaporation.
3. An example for liquid is Water.
4. The change of liquid into solid on cooling is known as Freezing.
5. An example for solid is Stone.

III. Draw a line to match the objects and their state of matter.



IV. Answer in a word or two.

1. Which of these is a solid: wood or juice? **Wood.**
2. Which of these is hard : a sponge or a glass or a cloth? **Glass.**
3. What are three states of matter? **Solid, Liquid, Gas.**
4. Name three substances which can change to liquid when they are heated? **ice, ice cube, Ghee.**
5. In which state of matter the particles are very close to each other?

Solid particles are very close to each other.

6. What state of matter is rain?

Rain is a Liquid state of mater.

7. Which among the state of matter has definite volume but no definite shape?

Liquid state of Matter has definite volume but no definite shape.

8. What would cause a liquid to turn into a solid?

a) Pouring it into a container

b) Heating it until it boils

c) Cooling it until it freeze

d) Keeping its temperature the same

9. What are some properties of pencil?

It is a solid and rigid.

Fixed Shape, Fixed volume.

V. Find me. (Liquid, Water, Wood)

1. I am a five letter word. I am an essential need for your life. I remain in all the three states of matter.

Who am I? **Water.**

2. I am a solid. I am obtained from the trees. I am useful for heating. Who am I? **Wood**

3. I am one among the three states. I have loosely arranged particles. I become vapour on heating.

Who am I? **Liquid**

VI. Describe the word in one sentence.

1. **Solid** : Solids are things that have definite shape and volume, very tightly packed.
2. **Liquid**: Not have definite shape, definite volume. Loosely packed.
3. **Melting**: Change of solid into liquid on heating is called melting.
4. **Evaporation**: Change of liquid into vapour on heating is evaporation.

5. **Freezing:** Change of liquid into solid on cooling is known as freezing.

VII. Which change of state is taking place in each description below? Use these words.

- a) An ice cube turning to water **Melting.**
- b) Water turning to ice in a freezer **Freezing.**
- c) Change of liquid into vapour on heating **Evaporation.**
- d) A bathroom mirror misting up **Condensation.**

BOOK INSIDE

I. Say whether it is Solid or Gas (Put 'S' for Solid, 'L' for Liquid and 'G' for Gas)

Falls



Chair



Air filled balloon



Cake



Milk



Bricks



Biscuits



Fire



Properties of solids	Properties of Liquids	Properties of Gases
Fixed Shape	Fixed volume	Not Rigid
Fixed Volume	No Fixed Shape	Not Fixed Shape
Rigid	Not Rigid	No Fixed Volume

Complete the table

State of matter	Add	New state	Process
ice	+ heat	Liquid	melting
water	+ heat	steam	Evaporation
clouds	+ cool	liquid	Condensation
Liquid	+ cool	Solid	freezing

Look at the pictures. Write down what you see.
(Wood, Leaves, Paper)



Paper

burns



Wood

burns



Leaves

burns