

WELCOME TO THE ONLINE CLASS

SESSION NO.: 2

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 5

CHAPTER NAME: SOLIDS, LIQUIDS AND GASES

SUB TOPIC: STATES OF MATTER – LIQUID AND GAS

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

Learner will able to:

- **Identify different states of matter**
- **Compare their properties**

RECAPITULATION

- All matter in the world is made up of _____.
- Which substance in matter exist independently?
- Things that occupies space or weight are called_____.
- How many different states of matter do we have?
- Can we change the shape of solid by applying force?
- How are the molecules in the solid are packed?

LIQUID

Can we hold these things?



juice



milk

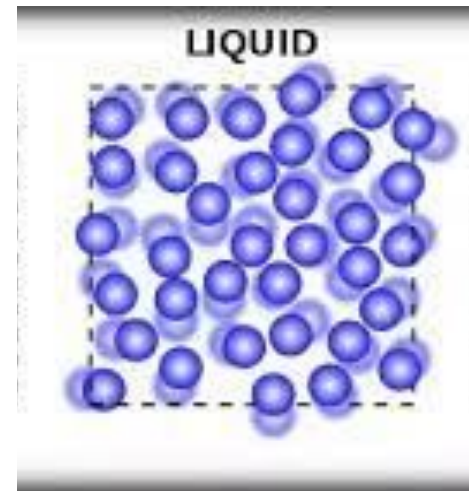


water

No! because it does not have fixed shape.

PROPERTIES OF LIQUID STATE

- Liquid have no fixed shape.
- Liquid can be poured into vessels or containers.
- Liquid has loosely packed molecules , they can move around or flow easily.
- Liquid has fixed volume.
- When liquid is inside a container, it will take its shape.



AIR AROUND US

- Can you see the smoke around you after you light an agarbatti ?
- Can you catch it air around you?

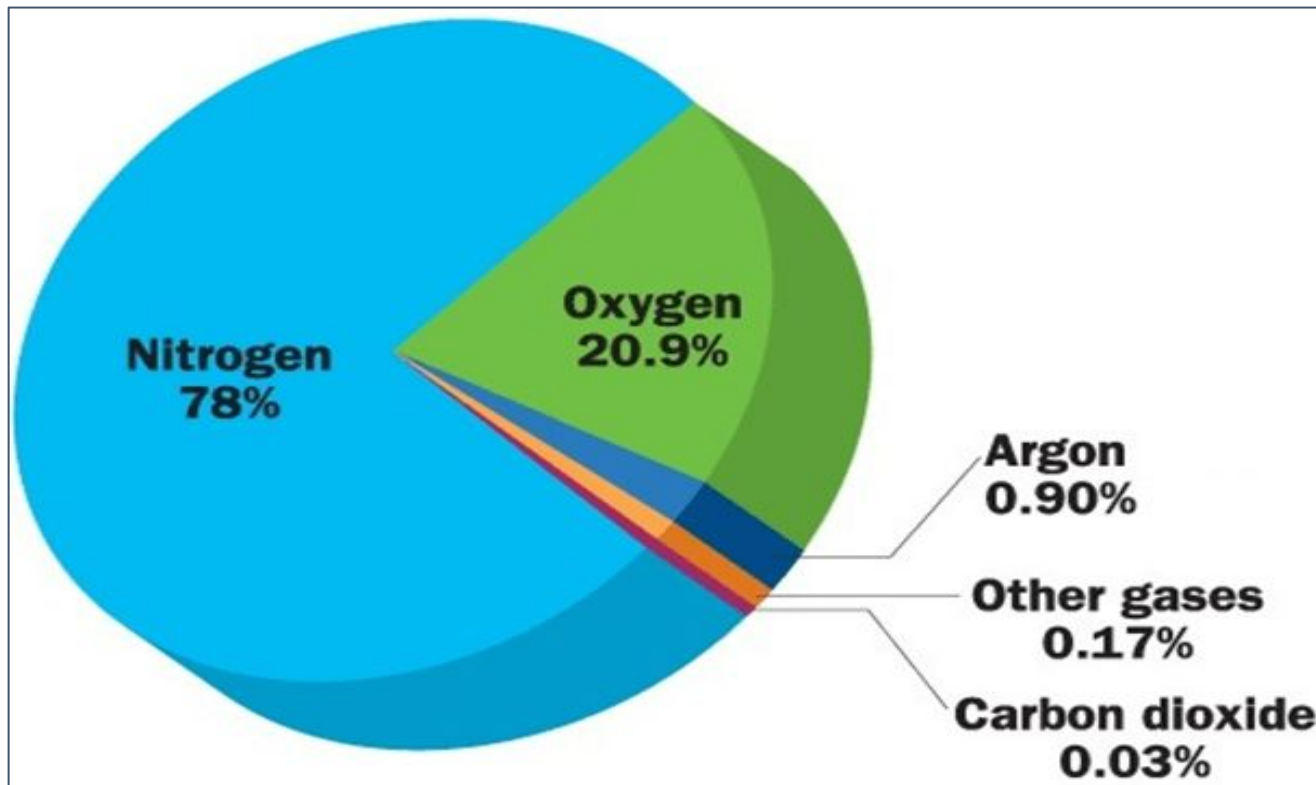
No! we can not hold air!!



GAS

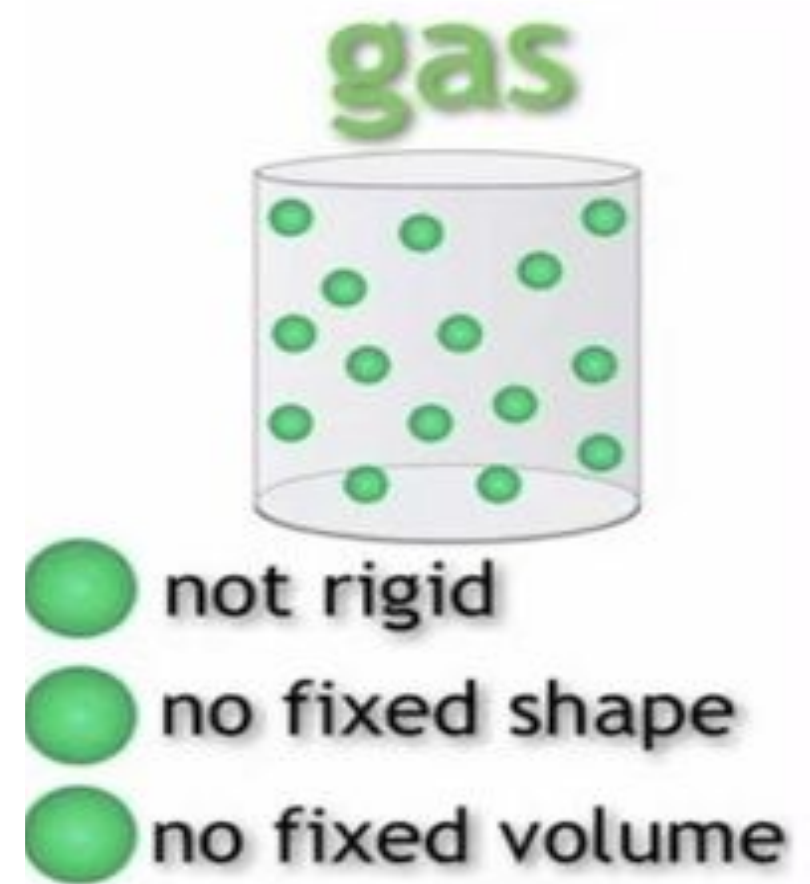
Air is a mixture of all gases.

- **Gas, one of the three fundamental states of matter, with distinctly different properties from the liquid and solid states.**



PROPERTIES OF GASEOUS STATE

- Molecules of air are loosely packed and can flow easily.
- Gases have no fixed shape and volume.
- Gases can easily compressed.
- Gases can fill the space of vessel, and flow more easily than liquids.



THINGS WHICH CHANGES ITS SIZE WHILE FILLING THE GAS



AIR FILLING INSIDE THE BALLOON



AIR FILLING INSIDE THE FOOTBALL



**SPRAY OF PERFUME
INSIDE THE ROOM**

SUMMARY

- **Liquid can be poured into vessels or containers.**
- **Liquid has loosely packed molecules , they can move around or flow easily.**
- **Air is a mixture of all gases,Oxygen, Nitrogen, Argon, Carbon dioxide and other gases.**
- **Gases can fill the space of vessel, and flow more easily than liquids.**
- **The particles of solid are closely packed and occupy less space while particles of gases are loosely packed and occupy the complete space available.**

<https://www.educandy.com/site/resource.php?activity-code=b9824>

Play and understand!!!!

HOMEWORK

- Draw the picture showing the molecular arrangement of the different states of matter.

LEARNING OUTCOME

The learner will be able to:

- understand and define the matter
- identify the different states of matter

THANKING YOU
ODM EDUCATIONAL GROUP