

WELCOME TO THE ONLINE CLASS

SESSION NO.: 6

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 5

CHAPTER NAME: SOLIDS, LIQUIDS AND GASES

**SUB TOPIC: INTRODUCTION, WHAT IS MATTER?, MOLECULES
ARE MADE UP OF ATOMS**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

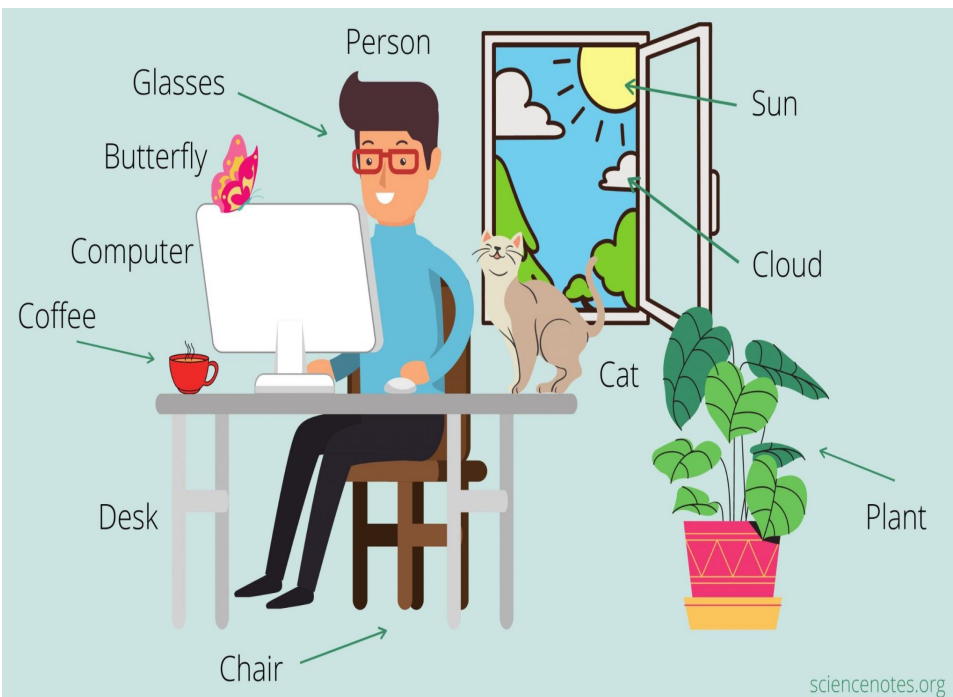
- Understand the term matter
- List down the examples of matter
- Differentiate between atoms and molecules
- Differentiate between elements and compounds

INTRODUCTION

- **What are the various things that you see around yourself that have weight and take up space.**
- **Do emotions like love, happiness, anger and fear have weight and take up space?**
- **Say five things that occupy space and has weight and five things that do not occupy space and has no weight?**

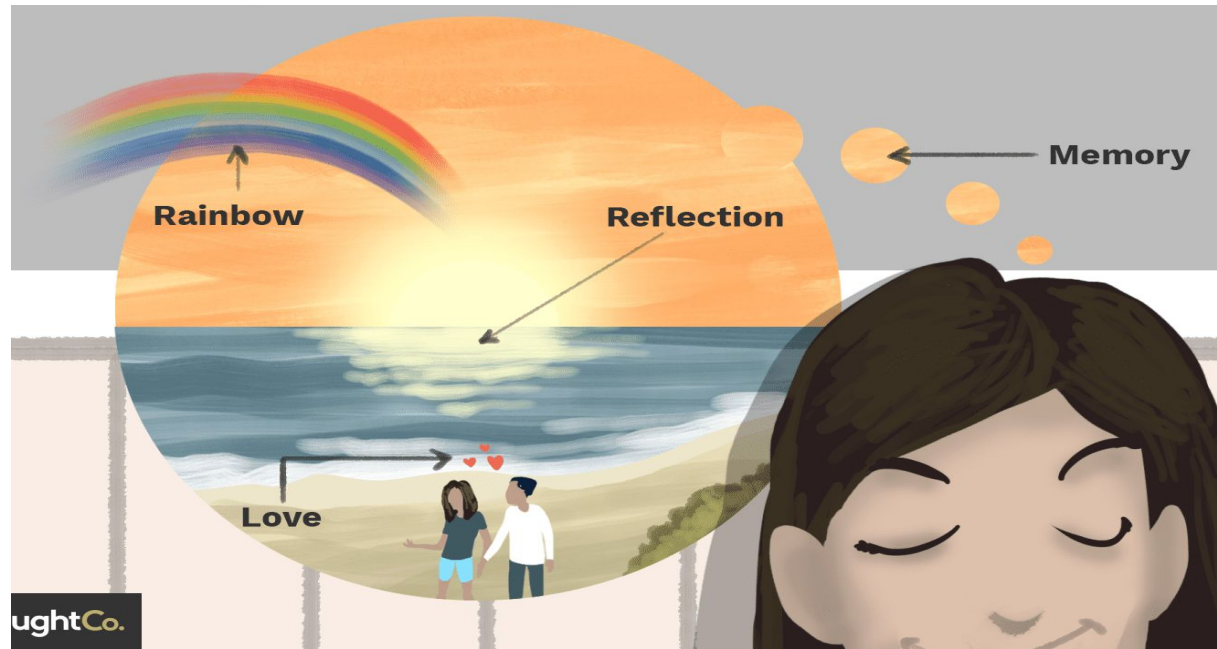
MATTER

- Anything that occupies space and has weight is called matter.



NON-MATTER

- Thing that do not occupie space and has no weight is called non-matter.

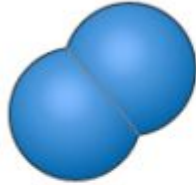


MOLECULES

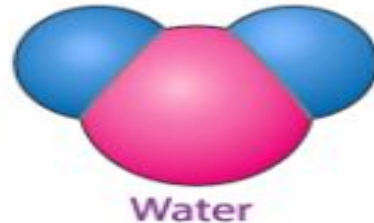
- The smallest unit of a substance that has all the properties of that substance is called a molecule.
- Molecules cannot be seen through naked eyes.
- E.g.:
 - Salt molecule
 - Hydrogen molecule
 - Water molecule
 - Oxygen molecule



Oxygen



Hydrogen



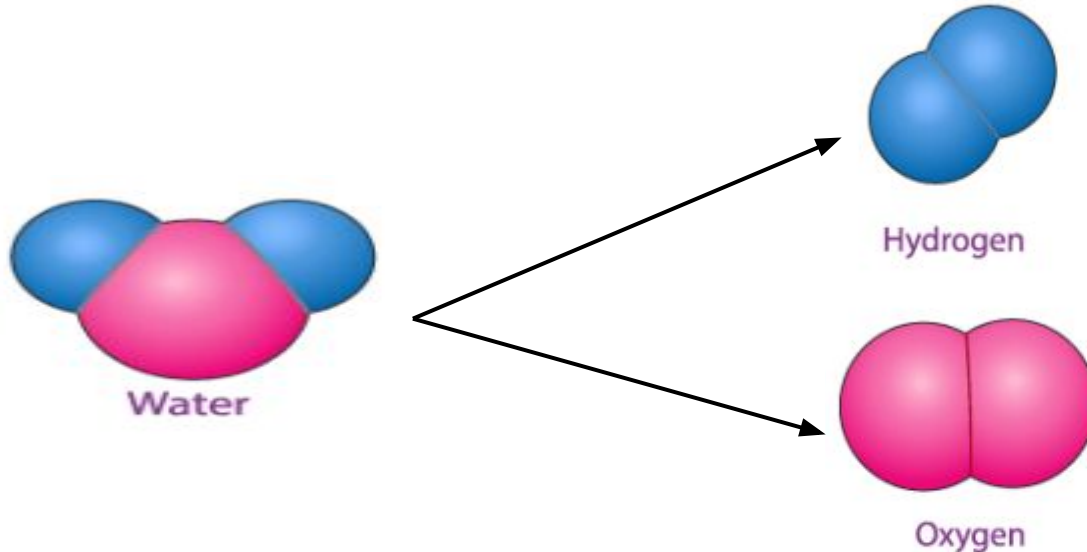
Water



Salt

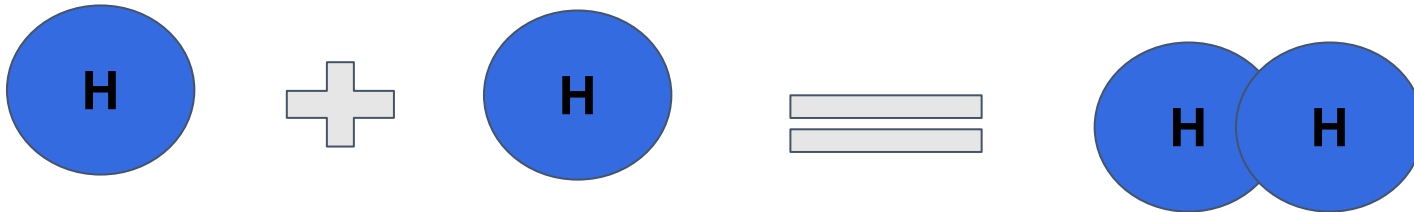
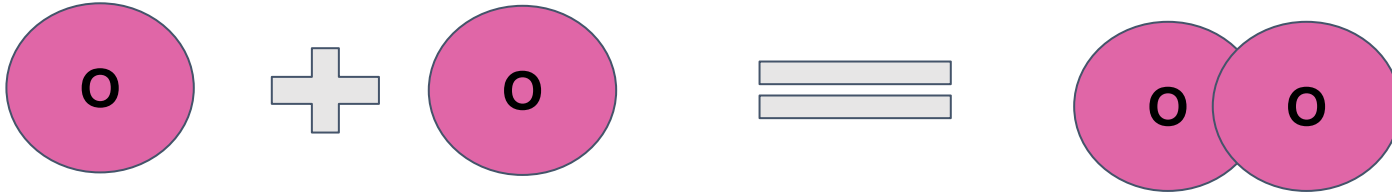
ATOMS

- Atoms are the building blocks of matter.
- A molecule can be further divided into smaller units called atoms.



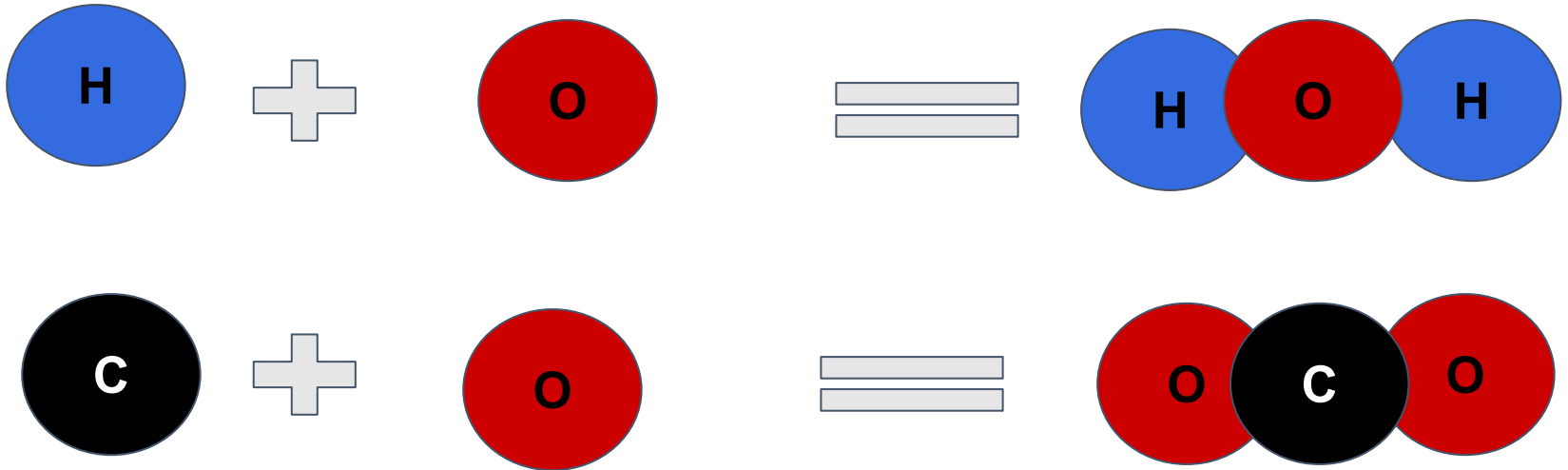
ELEMENTS

- Atoms of the same kind form elements.
- E.g.: Oxygen, hydrogen, nitrogen, etc.



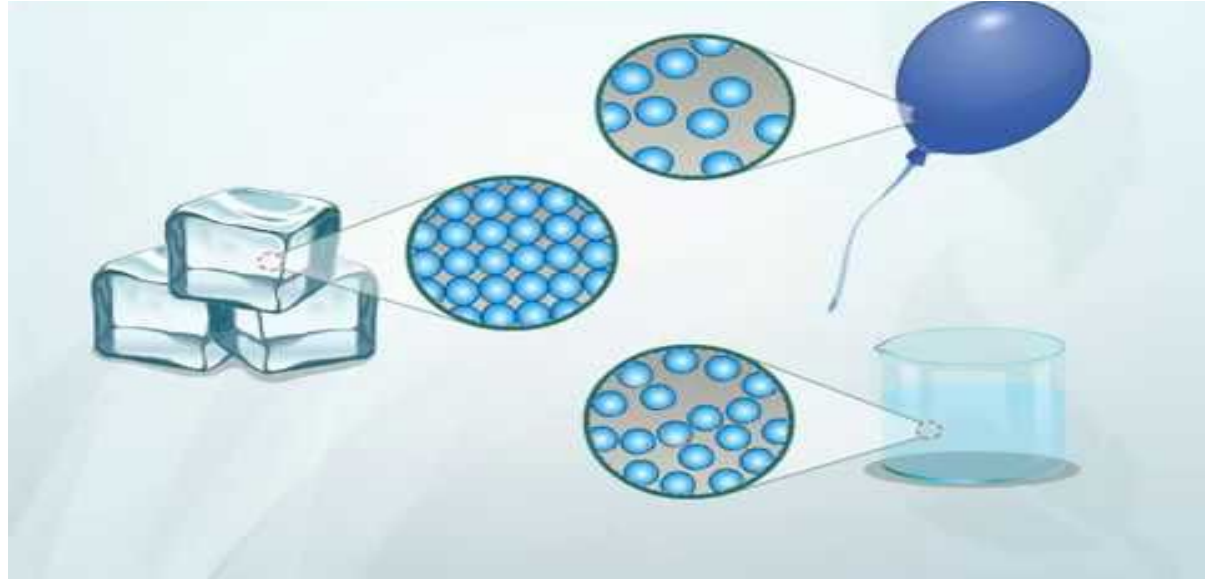
COMPOUNDS

- Atoms of different kinds combine and form compounds.
- E.g.: Salt, sugar, water, carbon dioxide, etc.



STATES OF MATTER

- Matter exists in three states :
 - Solids
 - Liquids
 - Gases



SUMMARY

- **Matter is anything that occupies space and has weight.**
- **Molecules are the smallest unit of matter that can exist independently.**
- **Atoms are the building blocks of matter.**
- **Atoms of same kind form element.**
- **Atoms of different kinds combine and form compounds.**
- **Matter exists in three states: solids, liquids and gases.**

READY FOR A
QUIZ ?

1. Anything that occupies space and has weight.

Ans: Matter

2. Atoms of different kinds combine to form.

Ans: Compound

3. The building blocks of matter.

Ans: Atom

4. Atoms of same kind form _____.

Ans: Elements

HOMWORK

- **Write the difficult words in your notebook.**

LEARNING OUTCOME

The learner will be able to:

- Understand the term matter
- List down the examples of matter
- Differentiate between atoms and molecules
- Differentiate between elements and compounds

THANKING YOU
ODM EDUCATIONAL GROUP