

# WELCOME TO THE ONLINE CLASS

**SESSION NO.: 1**

**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**

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**CHANGING YOUR TOMORROW**

# LEARNING OBJECTIVE

**To enable the learner to:**

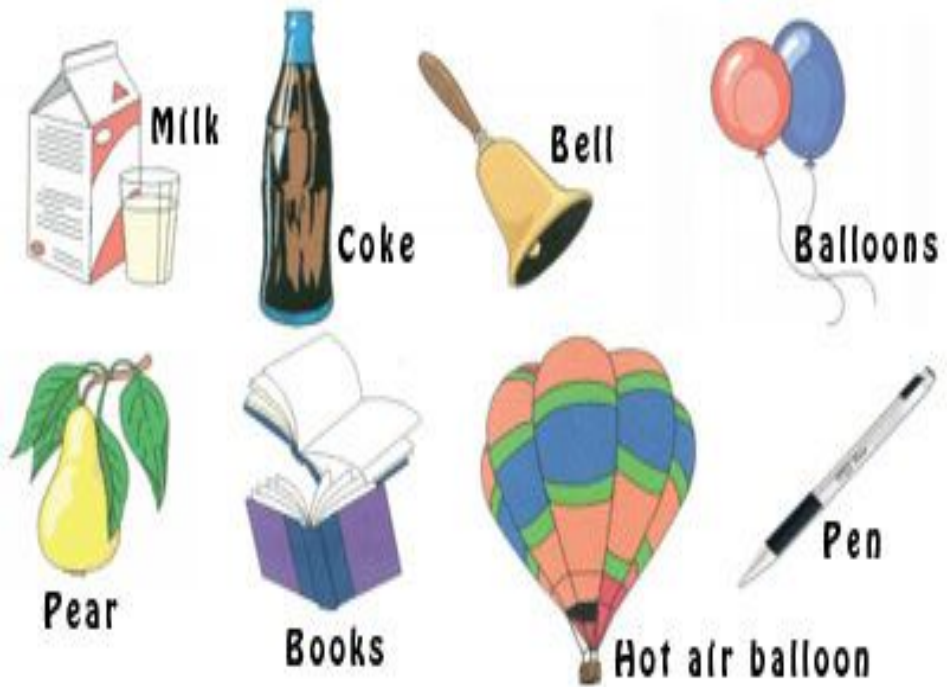
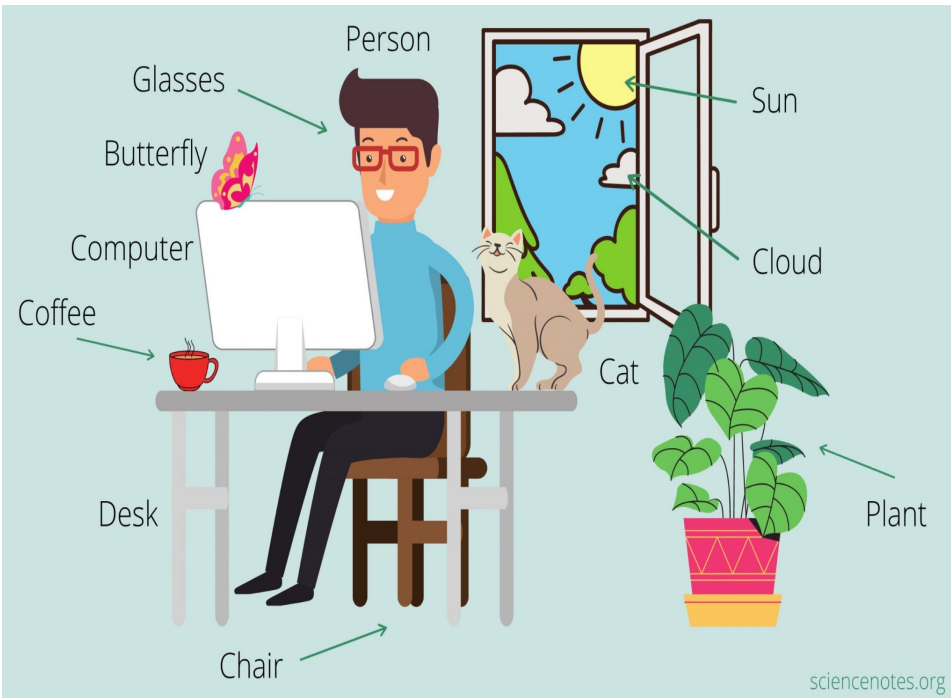
- **understand the term matter.**
- **list down the examples of matter.**
- **differentiate between atoms and molecules.**
- **differentiate between elements and compounds.**

# 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?**

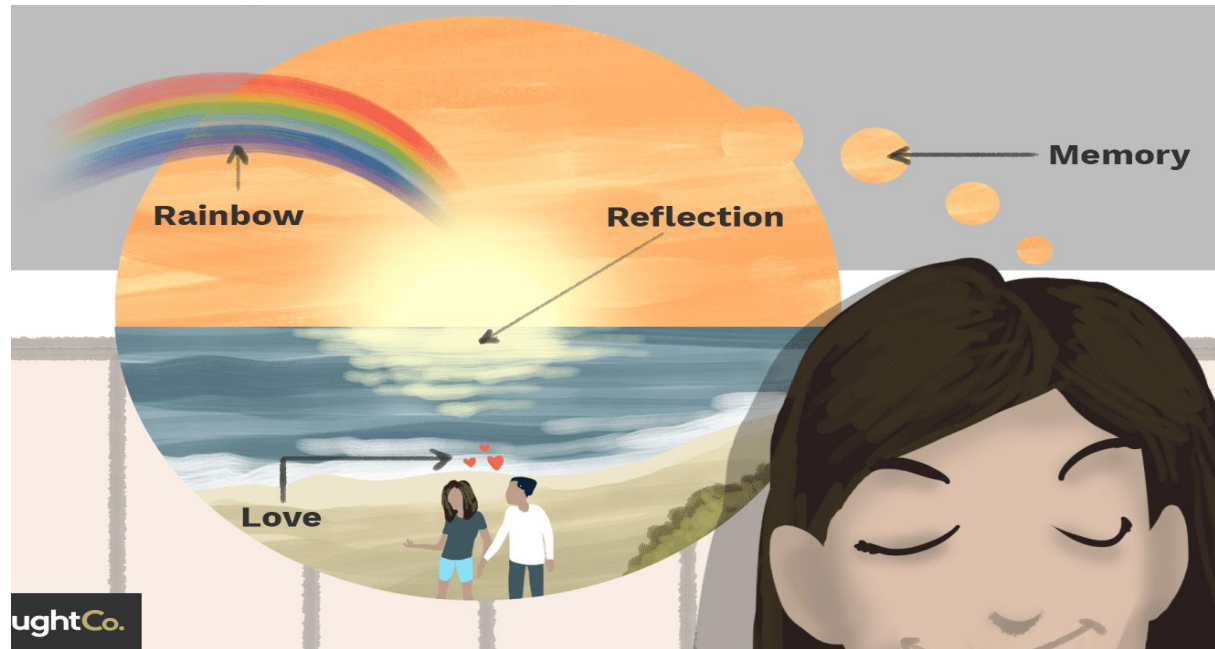
# MATTER

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



# NON-MATTER

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

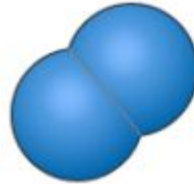


# MOLECULES

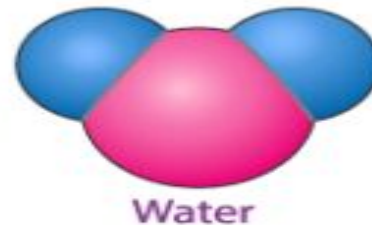
- The smallest unit of a substance that has all the properties of that substance is called a molecule.
- Molecules cannot be seen through naked eyes.
- E.g.:
  - Salt molecule
  - Hydrogen molecule
  - Water molecule
  - Oxygen molecule



Oxygen



Hydrogen



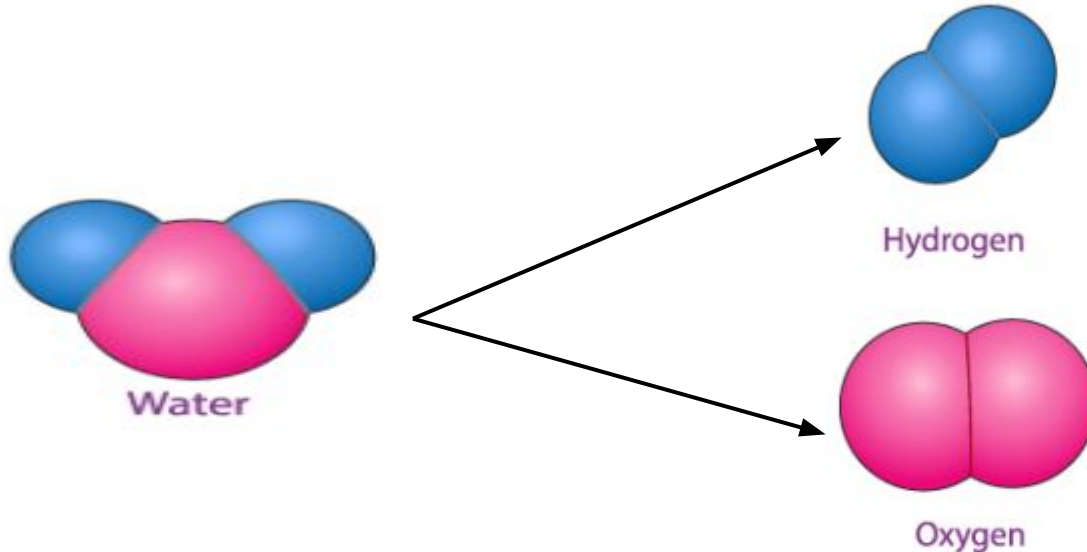
Water



Salt

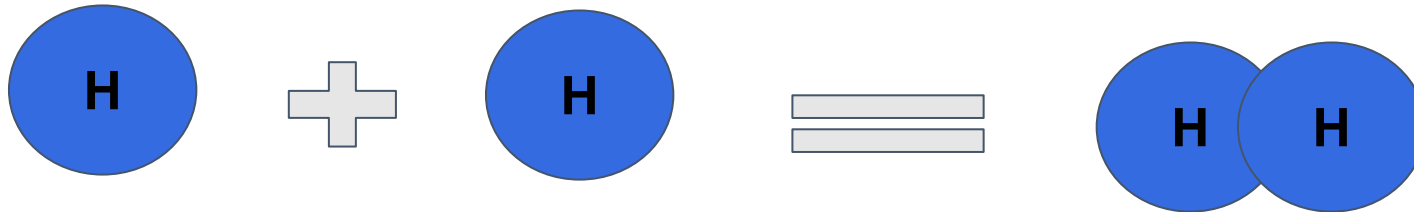
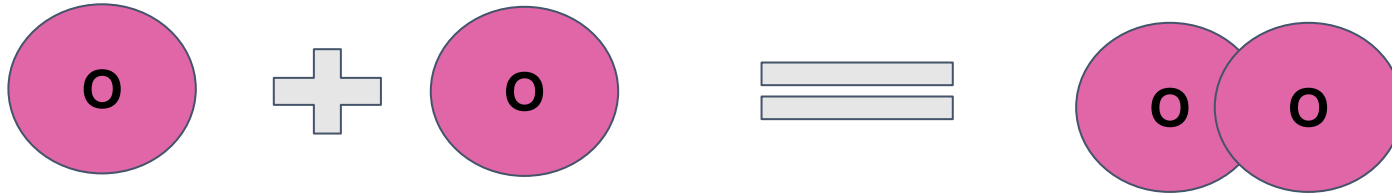
# ATOMS

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



# ELEMENTS

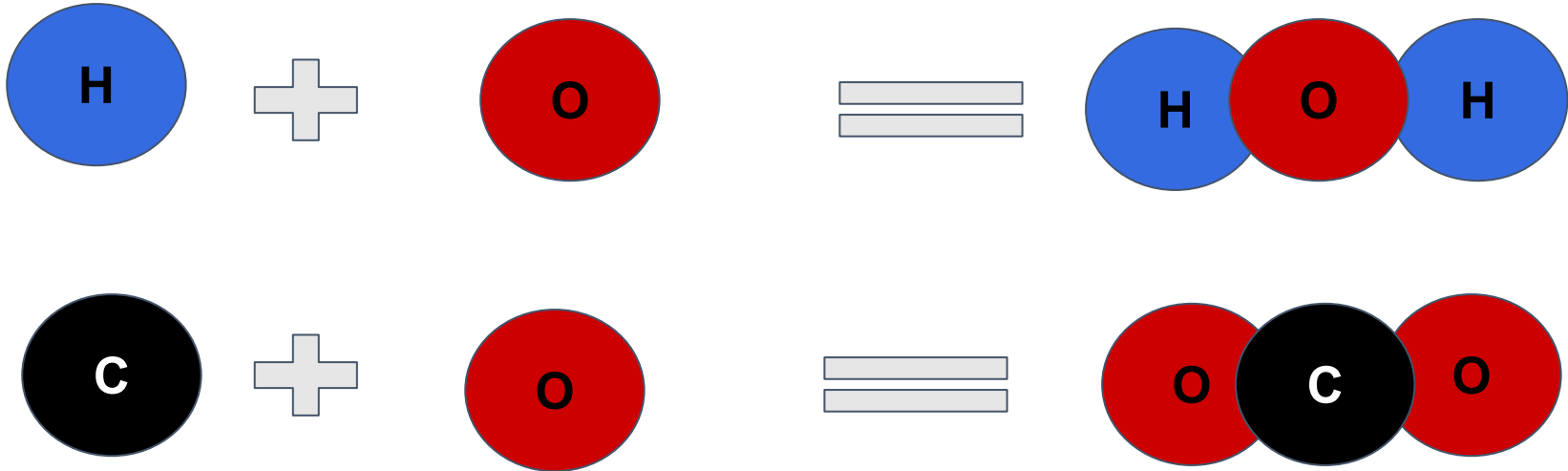
- Atoms of the same kind form elements.
- E.g.: Oxygen, hydrogen, nitrogen, etc.





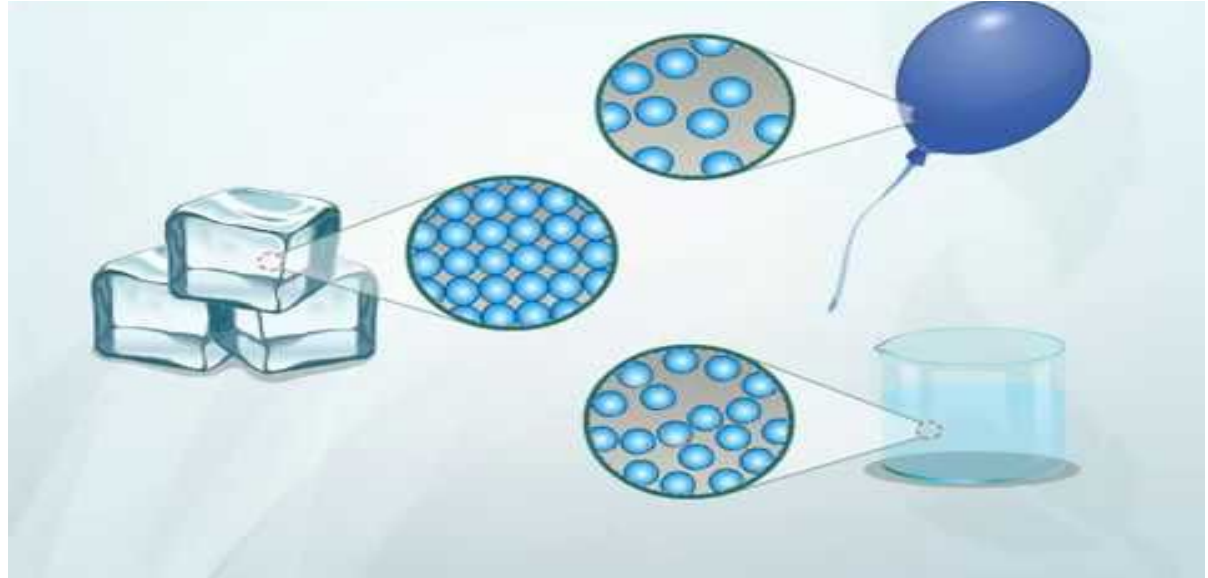
# COMPOUNDS

- 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**