

# **MATTER**

# CHAPTER NO.1 SUB: PHYSICS

CHANGING YOUR TOMORROW

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# LEARNING OUTCOMES

- •Students will be able to:
- Demonstrate matter in three states
- Distinguish the three states of matter in terms of movement of particles.
- •Relate the three states of matter with energy of movement of particles in them.

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#### POINTS TO BE COVERED

- **≻**Matter
- Characteristics of molecules
- >States of matter.

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# **INTRODUCTION**





#### INTRODUCTION

#### Matter is something which

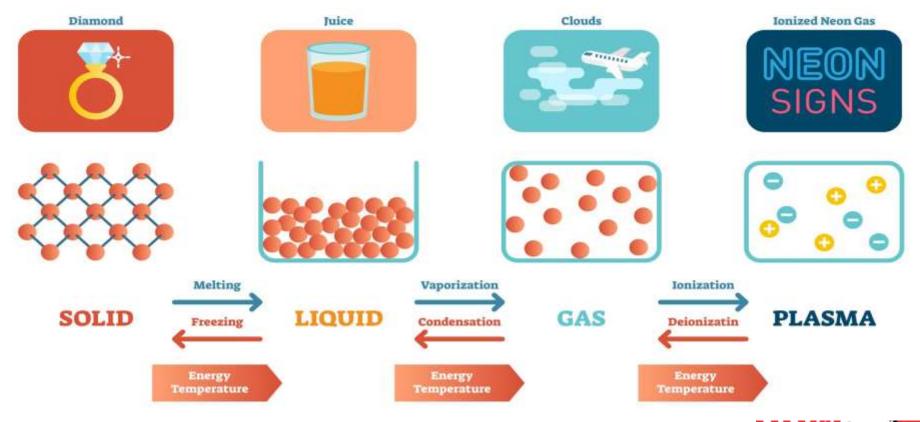
- >occupies space
- > has mass
- right and can be perceived by our senses.

#### Composition:

- ➤In the past, Indian philosophers considered that matter was made up of five tatvas: Akash, Vayu, Agni, Jal, Prithvi.
- ➤ Maharshi Kanada considered : Matter is made up of tiny particles called molecules.



# **States of Matter**





#### **COMPOSITION OF MATTER**

https://youtu.be/FxS-pzysJJA



#### CHARACTERISTICS OF MOLECULES

- Small size
- They have spaces between them.
- They are in constant motion.
- They attract each other.



## **STATES OF MATTER**

## Three States of Matter



https://youtu.be/o2qM4o8e Vo

### **STATES OF MATTER**

- Explain the three states of matter.
- https://youtu.be/o2qM4o8e\_Vo



### **HOME ASSIGNMENT**

- Define the term matter. What is it composed of?
- > State three properties of molecules of matter.
- What do you mean by inter molecular spaces?
- How do they vary in different states of matter?



# THANKING YOU ODM EDUCATIONAL GROUP

