

# MATTER IN OUR SURROUNDING

**SUBJECT-CHEMISTRY**

**CHAPTER NO-01**

**CHAPTER NAME-MATTER IN OUR SURROUNDING**

**PERIOD-3**

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**CHANGING YOUR TOMORROW**

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## LEARNING OBJECTIVE

Students will be able to

- Get to know of the interconversion of the states of matter.
- Know of the various factors affecting the interconversion of matter.

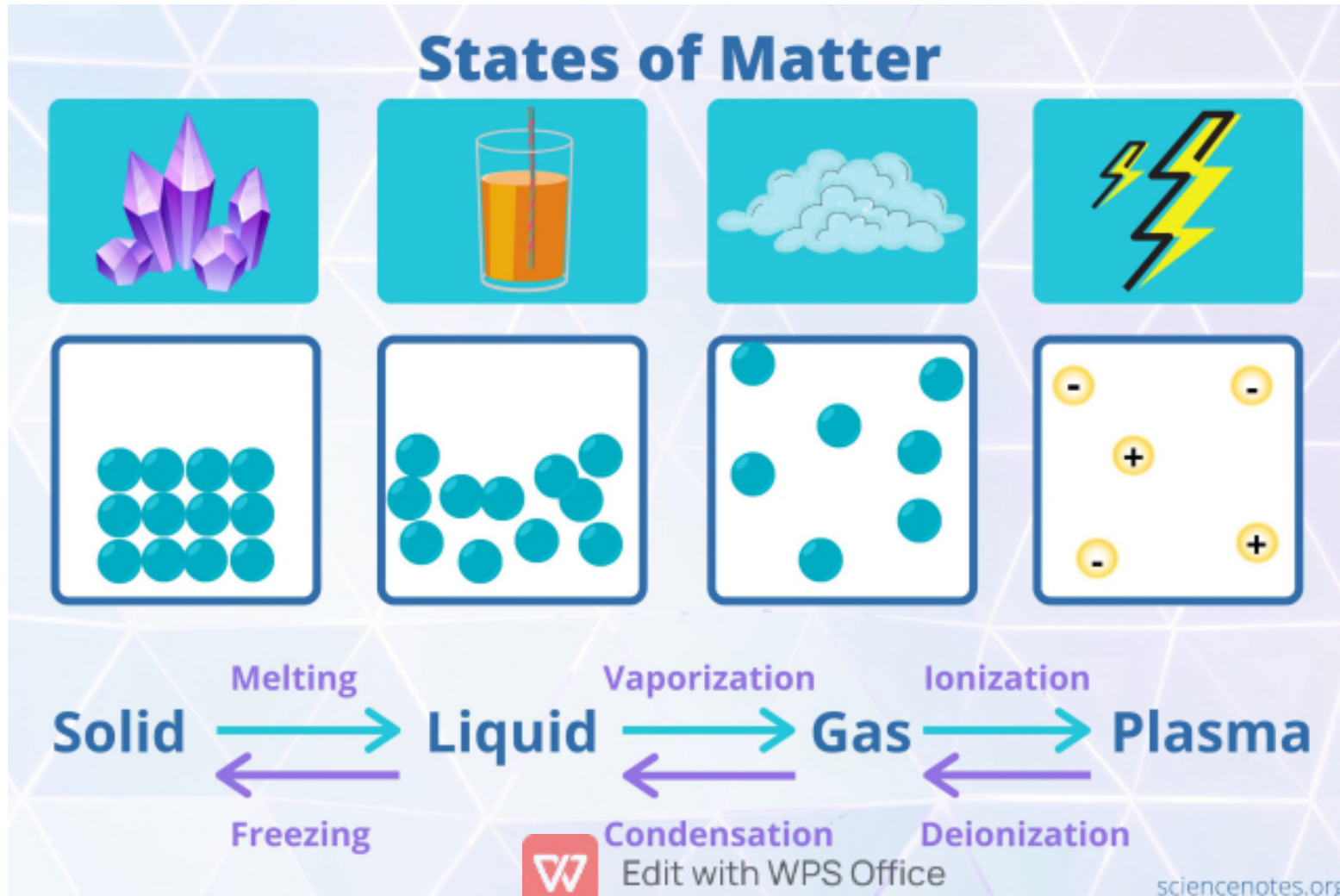


## INTERCONVERSION OF MATTER

- 1) THE CHANGE OF STATE FROM SOLID TO LIQUID ON HEATING IS KNOWN AS FUSION OR MELTING
- 2) THE CHANGE OF STATE FROM LIQUID TO GAS ON HEATING IS KNOWN AS VAPOURISATION
- 3) THE CHANGE OF STATE FROM GAS TO LIQUID ON COOLING IS KNOWN AS CONDENSATION
- 4) THE CHANGE OF STATE FROM LIQUID TO SOLID ON COOLING IS KNOWN AS SOLIDIFICATION
- 5) THE CHANGE OF STATE FROM GAS TO SOLID DIRECTLY ON HEATING IS KNOWN AS SUBLIMATION.



# States of matter



## **FACTORS AFFECTING THE CHANGE OF STATE OF MATTER**

- ✓ **TEMPERATURE- INCREASE IN TEMPERATURE CHANGES THE STATE OF MATTER FROM SOLID TO LIQUID AND THEN TO GASES.**
  
- ✓ **PRESSURE-INCREASE IN PRESSURE CHANGES THE STATE OF MATTER FROM GASES TO LIQUID AND THEN TO SOLID.**



## HOME ASSIGNMENT

- EXPLAIN THE INTERCONVERSION OF MATTER WITH SUITABLE DAILY LIFE EXAMPLES.
- WHAT ARE THE FACTORS AFFECTING THE CHANGE OF THE STATE OF MATTER.
- EXPLAIN HOW DOES TEMPERATURE AND PRESSURE AFFECTS THE INTERCONVERSION OF THE STATE OF MATTER.SUPPORT YOUR ANSWER WITH EXAMPLES.



# THANKING YOU

**ODM EDUCATIONAL GROUP**



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