

# CHAPTER – 1

## PHYSICS

### **CHANGE OF STATE:**

A phase is a distinctive form of a substance and matter can change among the phases.

### **Boiling:**

A process in which a substance changes its state from the liquid state to the gaseous state.

Boiling is a fast process in which bubbles are formed and occurs at a definite temperature called the boiling point.

- The Boiling point of a substance is always same; it does not vary.

### **Vaporization:**

A process in which a substance changes its state from the liquid to the gaseous state without boiling.

## **Melting:**

A process in which a substance changes from the solid to the liquid.

The temperature at which the state changes from solid to liquid is called Melting point

## **Evaporation:**

It is specific type of vaporization which occurs at temperatures below the boiling point of a liquid.

Evaporation is responsible for drying clothes and transpiration in plants. Water never comes to a “boil” in these cases but rather evaporates away.

Evaporation is a slow process in which no bubbles are formed and can occur at all temperature.

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## **Assignment:**

Learn and write exercise 1 E in your copy.