



Provincial Department Of Education – Sabaragamuwa
WEEKLY SCHOOL

Subject : Science

Week :5th of 3rd Term

Grade 7

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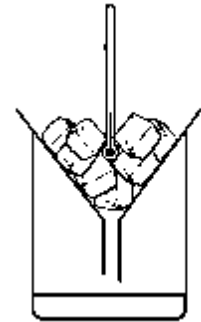
Melting point and boiling point

➤ **Melting point**

The constant temperature at which a solid substance changes to its liquid state is known as the melting point of that substance.

Activity 3

- Put some piece of ice into the glass funnel and place the bulb of the thermometer in ice.
- Keep the funnel on the beaker and find the temperature of melting ice.



Observations

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1. Ice turns into liquid water when heating. What can you see when cooling liquid water?

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The temperature at which a liquid solidifies is known as the freezing point.

Melting points of some substances are given in following Table

Substance	Melting point (oC) at 1 atm
Ice	0
Paraffin wax	60
Iron	1539
Lead	317

➤ **Boiling point**

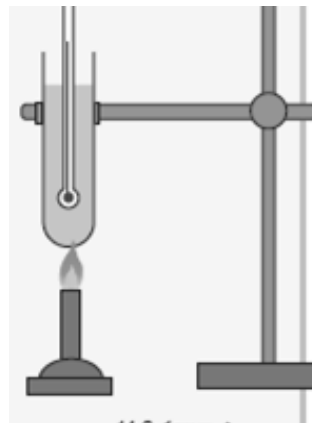
The boiling point is the constant temperature at which a liquid substance changes to its gaseous state.

Activity 4

You will need :- A boiling tube, a thermometer, some water, a burner, a laboratory stand

Method :-

- Take some water into a boiling tube, and prepare the set-up as shown in Figure.
- Heat the water for few minutes till it boils.
- Record the reading of the thermometer

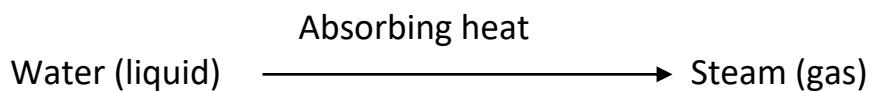


Observations

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Boiling point of some substances

Substance	Boiling point ($^{\circ}\text{C}$) at 1 atm
Alcohol	77
Paraffin wax	370
Water	100
Lead	1744
Iron	2900