

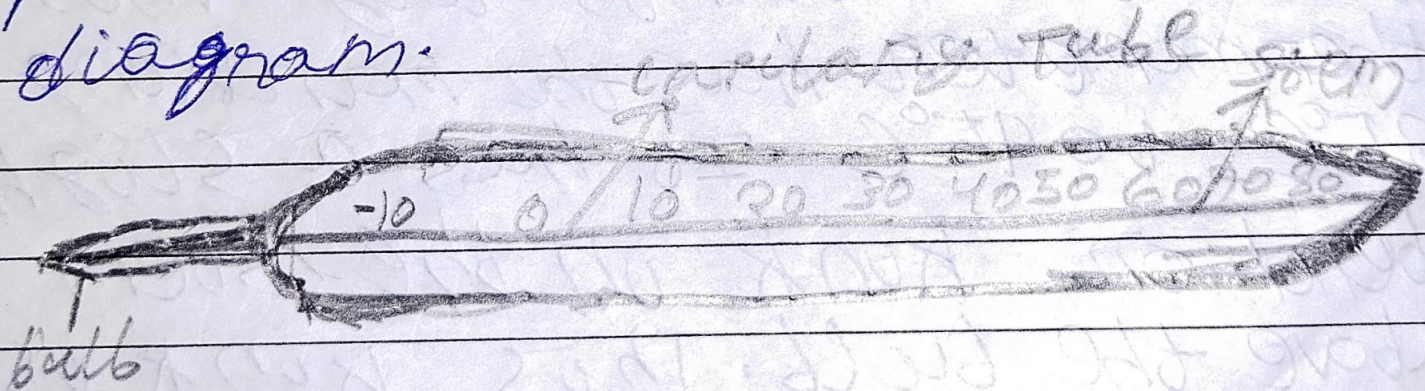
H.W

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Exercises

Q 19) Name the instrument used for measuring temperature of a person. Draw its neat label diagram.

ANS



Laboratory thermometer

20) Write the temperature of (i) melting ice
(ii) boiling water

Ans- The temperature of

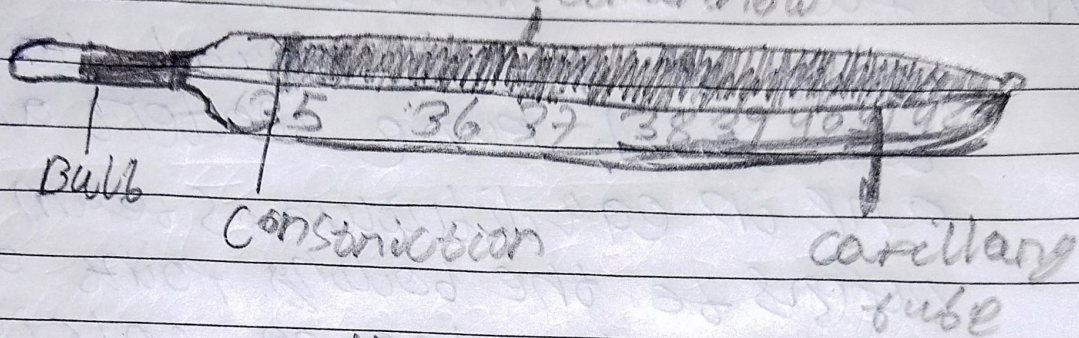
i) melting ice = 0°C

ii) boiling water = 100°C

Q1) What is a clinical thermometer? State its special features. Draw a neat labelled diagram of a clinical thermometer showing the range of temperature marked on it.

Ans- Doctors use a special thermometer called the clinical thermometer for measuring the temperature of the patient's body. This thermometer has the marking from 35°C to 45°C . It has a slight bend or kink in the stem just above the bulb. This kink is called the constriction. This constriction prevents the mercury from falling back all by itself. The

temperature of a healthy person is 37°C . This temperature is marked by a red arrow.



clinical thermometer.

Q.) Define temperature. Explain the units of temperature.

Ans) The temperature is the ~~measuring~~ measure of degree of ~~hotness~~ hotness or coldness of an object.

units of temperature.

- * Kelvin
- * Celsius
- * Fahrenheit.

Q. What do you mean by ice point and steam point?

Ans- Ice point refers to the freezing point of water - equal to 0°C at which pure water and ice are in equilibrium. Steam point refers to the boiling point of pure water - 100°C at which water and vapour are in equilibrium.

Q. One degree on Celsius scale is equal to $\frac{9}{5}$ degree of ~~Fahrenheit~~ Fahrenheit scale.