

1. Differentiate between laboratory thermometer and clinical thermometer.

A° A clinical thermometer: This thermometer is used in clinics to measure the temperature of human body.

- A clinical thermometer has a temperature range of only 35°C to 42°C .

laboratory thermometer: is This thermometer used to measure the temperature of all things, except the human body.

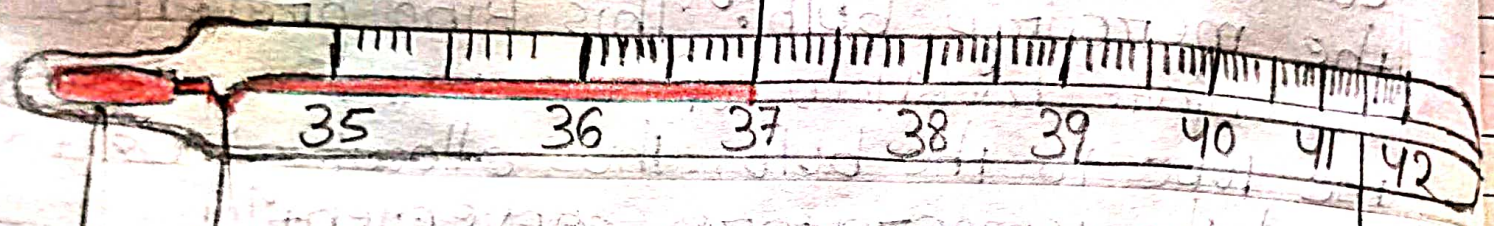
- It is a complex device. A laboratory thermometer has a temperature range of -10°C to 110°C .

2. Write the help of a well labeled diagram describe a clinical thermometer.

A- Clinical thermometer is used to measure the temperature of human body.

2

RED ARROW



BULB

CAPILLARY TUBE

CONstriction

Clinical thermometer

1. Degree Fahrenheit - F
2. Degree Celsius - C

• Clinical thermometer consists of a long narrow glass tube. One end of this tube is sealed and the other end has a glass bulb filled with mercury. The temperature scale is marked outside the glass tube of the thermometer.

• A clinical thermometer has a kink or a constriction in the glass tube just above the mercury bulb. This kink prevents immediate backflow of the mercury from the tube to the bulb, thus allowing us to read the temperature conveniently. A clinical thermometer marking from 35°C to 42°C .

3. List the unit of temperature.

A- The unit of temperature are :

1. Kelvin - K
2. Degree celsius or degree centigrade - $^{\circ}\text{C}$
3. Degree Fahrenheit - $^{\circ}\text{F}$