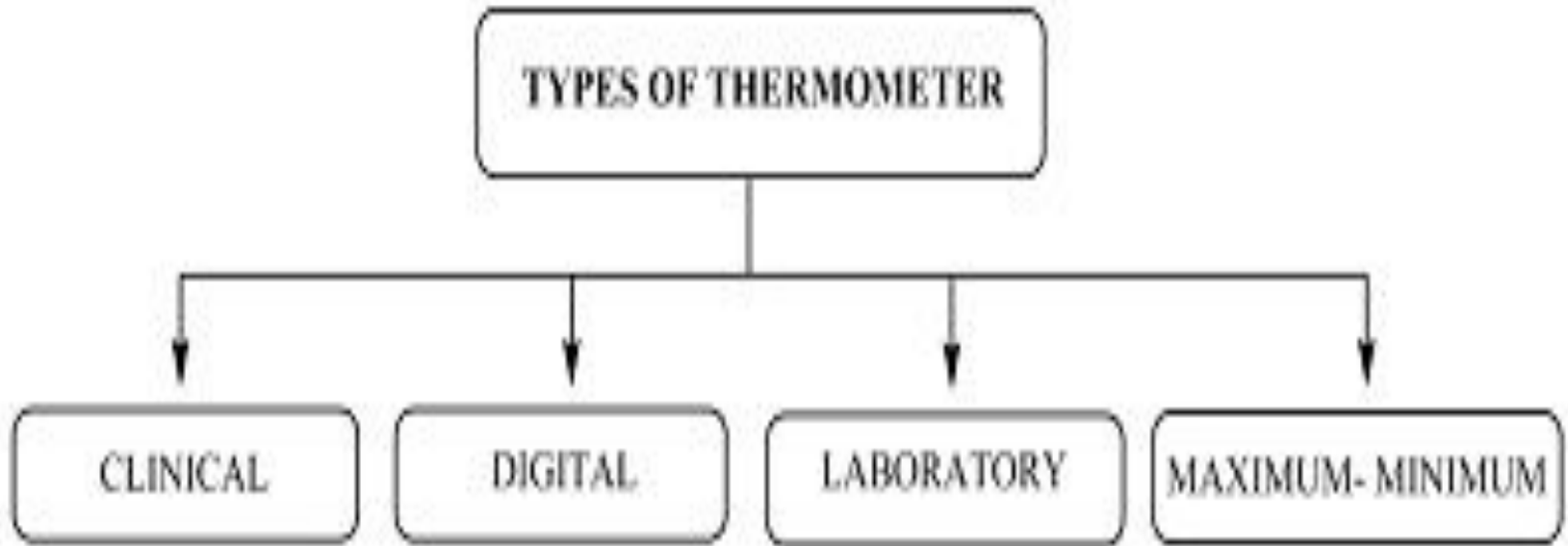


Types of thermometers-

Thermometers can be classified as follows:



Clinical thermometer-

Clinical thermometer is used to measure the human body temperature.





Digital thermometer-

- Digital thermometers are an advance to the existing clinical thermometers;**
- Due to high toxicity of the Mercury present in clinical thermometers and difficulty in its disposal in cases when the thermometer breaks, digital thermometers are manufactured that can measure the accurate temperature without the use of mercury.**

- **Digital thermometers do not use mercury and hence safe to use.**



Laboratory thermometer-

Laboratory thermometer is used to measure the temperature of things other than human body.





Maximum minimum thermometer-

The daily maximum and minimum temperatures reported in weather reports, are all measured by a thermometer known as the Maximum minimum thermometer.



PLENARY




Q. Which one is filled in the bulb of a thermometer?

(a) Mercury

(b) Lead

(c) Copper

(d) Silver




Q. Why is it advised not to hold the thermometer by its bulb while reading it?

A. It is advised not to hold the thermometer bulb while reading it as the level of mercury increases from the actual reading by our body temperature.



ASSESSMENT



Q. In a mercury thermometer, the level of mercury rises when its bulb comes in contact with a hot object. What is the reason for this rise in the level of mercury?

A. As the temperature increases, then expansion in mercury takes place which leads to the rise in the level of mercury in thermometer.