

Among these, the commonly used thermometers are clinical thermometers and laboratory thermometers.

Temperature is how hot or cold a object is.
What the thermometer reads is the temperature.

Temperature can therefore, be defined as the reading on a thermometer.

There is a variety of ~~temperature~~ thermometers ~~about~~ which

Hw 0) Define one kilogram, the S.I. unit of Mass. How is it related to quintal, Metric tonne and gram.

ans One kilogram was defined as the mass of a cylinder of platinum alloy kept in the international bureau of weight.

$$1 \text{ quintal} = 100 \text{ kg}$$

$$1 \text{ metric tonne} = 1000 \text{ kg}$$

$$1 \text{ gram} = \frac{1}{1000} \text{ kg}$$

Q) Name and define the S.I. unit of time. How is it related to minute, hour, day, year?

ans Second is the S.I. unit of time and it is defined as $\frac{1}{86400}$ part of a mean solar day.

1 minute = 60 second

1 ~~hour~~ hour = 60 × 60 second = 3600 s

1 day = ~~60 × 60 × 60 × 24 × 60~~

1 day = 24 h = 86400 s

1 year = 365 days = 3.15×10^7 s

Q) Name the S.I unit and one common unit of temperature. Write their symbol also.

ans. The S.I unit of ~~tem~~ temperature is Kelvin. The common unit of temperature is degree celcius ($^{\circ}\text{C}$). The symbol of kelvin is (K).

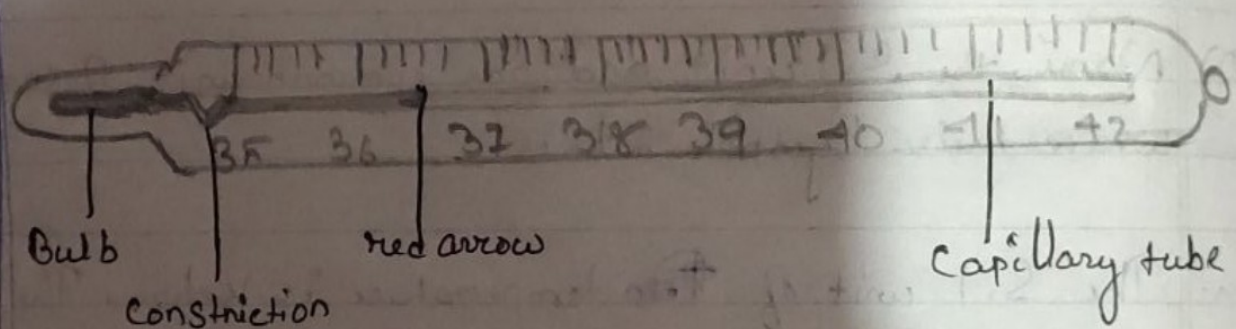
Q) Name the instrument used for measuring ^{temperature} of the temperature of a person.

ans. ~~Thermometer~~ clinical thermometer is used for measuring temperature of a person.

Q) What is a clinical thermometer? State its special feature. Draw a labeled neat diagram of a clinical thermometer showing the range of the temperature marked on it.

ans. A clinical thermometer is used for measuring the body temperature of a person. ☺

A clinical thermometer has markings from 35°C to 42°C . It has a slight bend or kink in the stem just above the bulb. This kink is called constriction. This constriction prevents the mercury from falling back by itself. This temperature of a healthy person is 37°C .



So, the person's temperature is 36.8°C , but it should be 37°C .