

Temperature. scale

There are three temperature scales. These are

- * Celsius scale
- * Fahrenheit scale
- * Kelvin scale

In common use, temperature is measured on the Celsius scale.

Thermometer

To measure the temperature of an object, we use a device called thermometer. There are different kinds of thermometers. So the main two kinds of thermometers are

- (1) The clinical thermometer
- (2) The Laboratory thermometer

The clinical thermometer

* A clinical thermometer is used for measuring the body temperature of human and animals.

* It has a narrow kink on the capillary tube just above the bulb.

* When the ~~the~~ mercury expands, it pushes through the kink, but when it is taken out of the patient's mouth, mercury does not go back to the bulb so the doctor can read the temperature easily.

Draw the thermometer

Precautions to be observed while using a clinical thermometer

- Thermometer should be washed before and after use, preferably with an antiseptic solution.
- Ensure that before use the mercury level is below 35°C .
- Read the thermometer keeping the level of mercury along the line of sight.
(See Fig. 4.3).
- Handle the thermometer with care. If it hits against some hard object, it can break.

Don't hold the thermometer by the bulb while reading it.