

P.4 SOCIAL STUDIES CLASSWORK WEEK 3

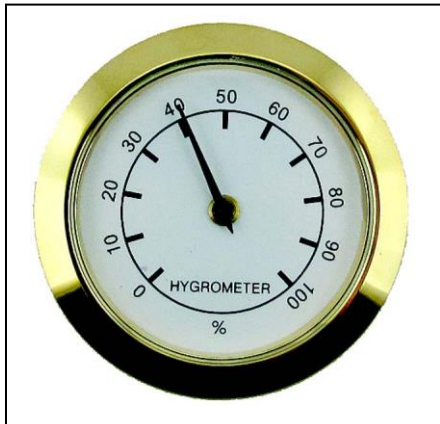
Air pressure

- It is also called atmospheric pressure.
- Air pressure is measured in Millibars (mb)
- Areas with high air pressure experience dry conditions while those with low pressure receive rainfall.
- The instrument used to measure air pressure is called a **barometer**.

Humidity

- This is the amount of water vapour in the atmosphere.
- Humidity is measured using an instrument called **hygrometer**.

Diagram



Activity

1. Name the element of weather measured in millibars.
2. How is a barometer important at a weather station?
3. What is humidity?
4. Name the instrument used to measure water vapour in the atmosphere.
5. In which units is humidity measured?

Tuesday

TEMPERATURE

- This is the degree of hotness or coldness of an area or object.
- Temperature is measured in degrees.

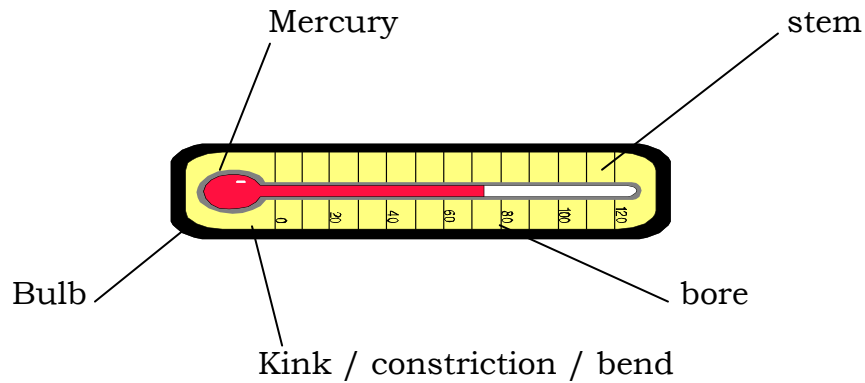
- It is measured using an instrument called a **thermometer**.

Types of thermometers

Clinical thermometer

- It is also called the doctor's thermometer.
- It is used in clinics and hospitals.

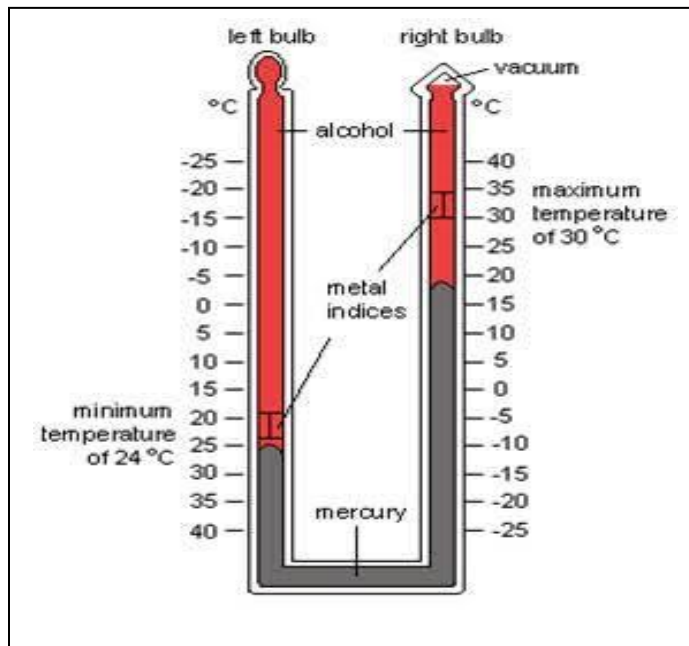
Diagram



Six's thermometer

- It was invented by James Six, hence its name.
- It's also called the minimum and maximum thermometer.
- The minimum scale measures the lowest while the maximum scale measures the highest temperature

Diagram:



NB: Mercury and alcohol are the liquids used in the thermometer but mercury is more commonly used.

Why mercury is used

- It doesn't stick on the thermometer walls
- It is clear due to its colour
- It is more sensitive to heat than alcohol.

Scales used on the thermometer

- Celsius scale (centigrade) ($^{\circ}\text{C}$)
- Fahrenheit scale ($^{\circ}\text{F}$)

Activity

1. What is temperature?
2. Name the units used for measuring humidity.
3. Which instrument is used to measure the highest and lowest temperature of the day?
4. Why is mercury commonly used in thermometers?
5. Name one type of scale used to measure temperature.

Wednesday

A weather station

This is where weather conditions are studied and recorded.

Stevenson screen

- This is a wooden box in which delicate weather instruments at a weather station are kept.
- Its importance is to protect delicate weather instruments from damage.
- It is painted to reflect sun heat.
- It is lowered to allow air circulation within it.
- Its stands are made of metal because metals are long lasting.

Diagram



Instruments found in a Stevenson screen

- Thermometer (S)
- Barometer
- Hygrometer
- Measuring cylinder of a rain gauge

Activity

1. Name the special place where weather changes are recorded.
2. How is a Stevenson screen important at a weather station?
3. Why is a rain gauge not kept in a Stevenson screen?
4. Why is a Stevenson screen built with louvers?
5. Name two weather instruments kept in a Stevenson screen.

Thursday

HOW WEATHER AFFECTS PEOPLE'S ACTIVITIES

- Weather can influence people's activities in various ways such as farming.
- Too much sunshine / rainfall can destroy people's crops.
- Dressing can also be affected by weather for example, people in hot areas like Karamoja put on light clothes while those in cold areas put on heavy areas
- People carry umbrellas on sunny and rainy days.
- People who work in open areas are affected by sunshine and rainfall.
- People who live in dry areas wear light clothes while those in cold wear heavy clothes.
- Weather determines the types of crops to grow.

SEASONS AND CORRESPONDING ACTIVITIES

Seasons are periods of time in a year when the same weather conditions are experienced.

Seasons usually last for 3-4 months.

There are only **two** seasons experienced in our district .These are:

- Dry season
- Wet season

Some countries have more than two seasons e.g.

- Autumn
- Spring
- Summer
- Winter

Activities farmers do in the different seasons.

Dry season

- Harvesting ready crops.
- Drying yields
- Preparing / ploughing the land
- Seed storing
- Repairing machines

Wet season

- Planting of crops
- Weeding
- Pruning
- Spraying

Activity

1. State the activities done by farmers during;
 - a) Wet season
 - b) Dry season
2. Why is it necessary to harvest crops during the dry seasons?
3. Why is there need to have proper storage of harvests?
4. What is the use of a granary to the farmer?