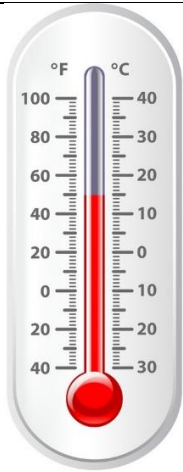


Elements of weather investigation - Memo



Name of instrument: **Thermometer**

What is its purpose? **To measure how hot or cold the temperature of a place is.**

Name the units:

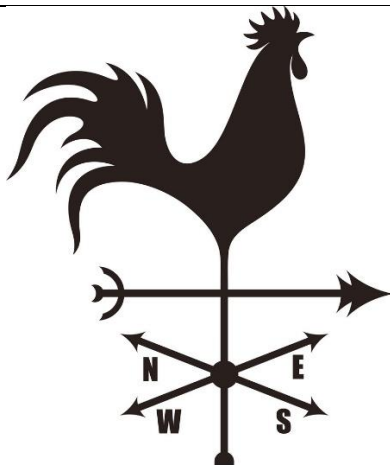
°F **degrees Fahrenheit**

°C **degrees Celsius**

What do the 2 units have in common? **They both measure the temperature of a place.**

What unit do we use in South Africa? **Degrees Celsius**

Name a country where they use °F? **United States of America, Belize, Palau, the Bahamas and the Cayman Islands**



Name of instrument: **Weather vane**

What is its purpose? **To help us to see the direction the wind is blowing from.**

What does the arrow tell us? **It tells us the direction the wind is blowing from.**

What is an anemometer? **It is the instrument used to measure wind strength**

In what unit is it measured? **In kilometres an hour (km/h)**

WIND

Choose from the list and write the correct wind strength next to the description of the effect it has on people, plants and buildings.

moderate wind

hurricane

light wind

gale force

calm

storm

gentle wind

strong wind

Wind strength	Effect on people, plants and buildings.
Calm	No wind
Light wind	Wind felt on face; leaves rustle
Gentle wind	Leaves and small twigs move
Moderate wind	Loose dust and papers blow about; small branches move
Strong wind	Large branches move; it is difficult to use an umbrella
Gale force	Whole trees bend; twigs break off; very difficult to walk; tiles come off roofs
Storm	Trees uprooted; buildings damaged
Hurricane	Severe damage to buildings; widespread damage to area



Name of instrument: **Rain gauge**

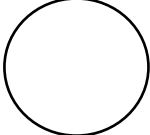
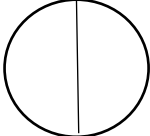
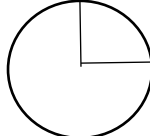
What is its purpose? **To collect the amount of rain that falls in one place over a period of time.**

In what unit is it measured? **millimetres**

CLOUD COVER

Clouds can cover different amounts of the sky. We use words, fractions and symbols to describe cloud cover.

Complete the table.

What the sky looks like	Word	Symbol
There are no clouds in the sky.	clear	
Clouds cover half or less than half of the sky.	partly cloudy	
Clouds cover more than half of the sky.	cloudy	
Clouds cover the whole sky; there is no blue.	overcast	