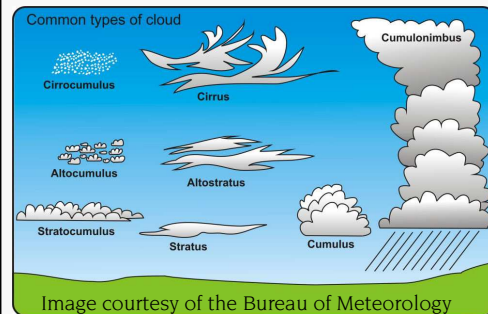
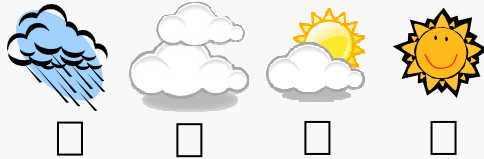


Clouds

Clouds are made of tiny drops of water and ice that are so small they are carried by the wind.

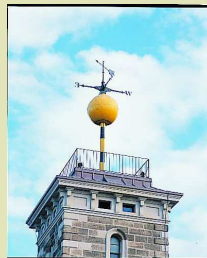
What does the sky look like now?



What type of cloud can you see today? (Draw a circle around it)

Wind

Look at the very top of the Observatory. What can you see that shows where the wind is coming from?



Why don't the flags point in the same direction?

sydney observatory

PART OF THE POWERHOUSE MUSEUM

Temperature

What is the temperature today?

_____ °C

Is today **hot** or **cold**?

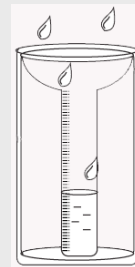
Draw a circle around your choice.



Rain

Turn on the shower or 'rainmaker' for 5 seconds. Then measure how much rain fell into the rain gauge.

_____ mm



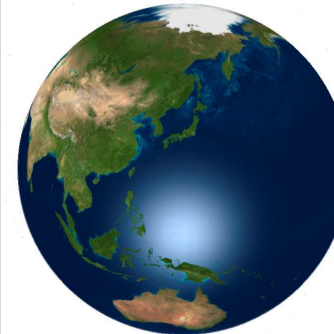
Seasons

Did you know the Earth leans to one side?



As we go around the Sun the amount of sunlight we get changes during the year.

When the Sun is high in the sky at 12 noon it's summer and when it's low in the sky at 12 noon it's winter.



What season are we in now?

Summer

Autumn

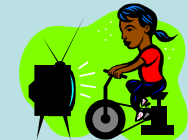
Winter

Spring

The wind is blowing from the direction of _____

and its speed is _____ kilometres per hour.

What is the UV index today?



UV 1,2 Low

UV 3,4,5 Medium

UV 6,7 High

UV 8,9,10 Very High

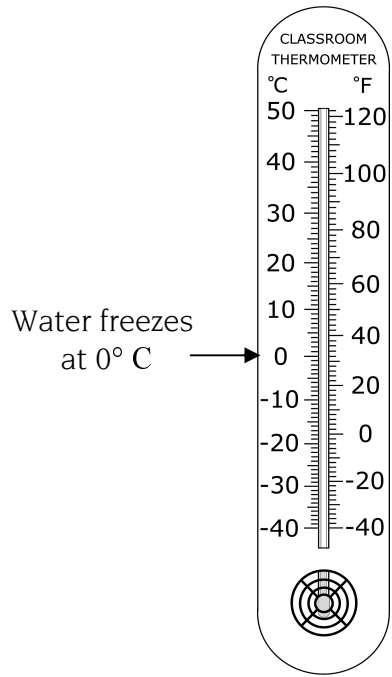
UV 11+ Extreme

Sunlight

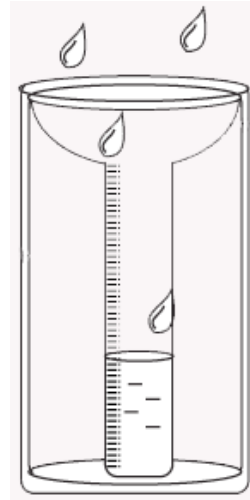
UV meters measure how strong the sunlight is.

If the reading is 6 or greater you need to Slip! Slop! Slap! and if 11 or over avoid the sun and stay indoors.

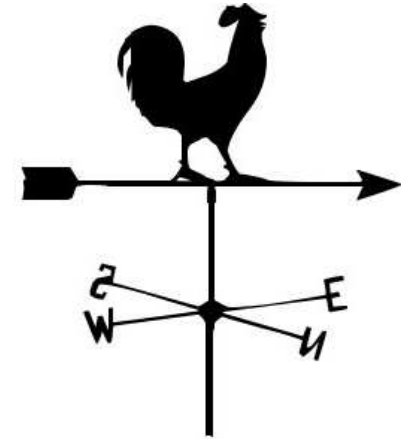
A thermometer measures the temperature.
It can tell us if it is hot or cold



A rain gauge measures how much rain has fallen



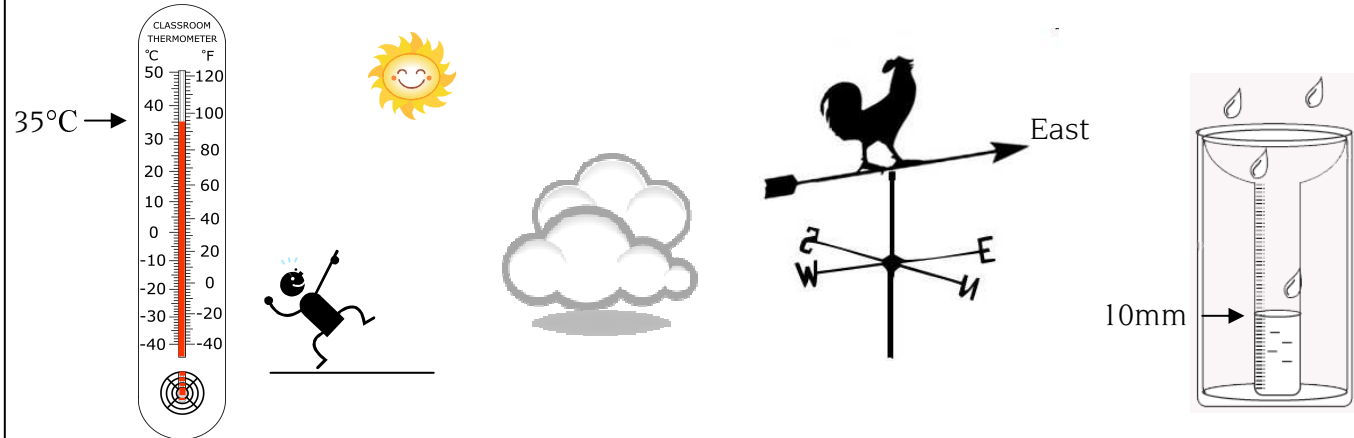
A wind vane shows where the wind is coming from.



Summer	
Spring	
Autumn	
Winter	

Looking North at 12 noon.
Never look directly at the Sun

After you have collected your data, you can make a weather report like this. "Today is very hot because the temperature is 35°C. The Sun was nearly overhead at 12 noon so it must be Summer. There are lots of clouds and the wind is coming from the east. There was 10mm of rain.



Now try your own report...