

Factors of climate and its Elements

Factors of Climate: Physical Conditions that determine the climate in a given area. These don't change.

Relief	Altitude	Ocean currents	Latitude	Nearby seas or water
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how close a place is to the Equator.

or elevation, measures how high the land is above the sea level.

or landforms can affect some weather conditions.

The distance from the sea has an effect on the surrounding land.

In some areas warm water is moved from the equator to a colder region causing the region to be warmer.

Elements of climate: any of the properties or conditions of the atmosphere and ocean that together define the climate of a place: Temperature, atmospheric pressure, humidity, precipitation, wind. These change at any moment.

Temperature:
Precipitation:
Atmospheric pressure:
Humidity:
Wind:

The amount of water vapor in the air.
the movement of the air in the atmosphere.
the weight of the air in the atmosphere.
the amount of heat in the air.
water that falls from clouds

- ml
- kilometres
- mm
- thermometer
- vapour
- scales

temperature	humidity	precipitation	wind	atmospheric pressure
<ul style="list-style-type: none"> • the amount of heat in the air • unit: degrees Celsius ($^{\circ}\text{C}$) or degrees Fahrenheit ($^{\circ}\text{F}$) • instrument: 	<ul style="list-style-type: none"> • the amount of water in the air • unit: percentage (%) • instrument: hygrometer 	<ul style="list-style-type: none"> • water that falls from clouds • unit: millimetres (....) • instrument: rain gauge 	<ul style="list-style-type: none"> • the movement of air in the atmosphere • unit: per hour (km/h) • instrument: anemometer 	<ul style="list-style-type: none"> • the weight of the air in the atmosphere • unit: hectopascals (hPa) • instrument: barometer