

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:	The amount of water vapor in the air.
Precipitation:	the movement of the air in the atmosphere.
Atmospheric pressure:	the weight of the air in the atmosphere.
Humidity:	the amount of heat in the air.
Wind:	water that falls from clouds

• ml • kilometres • mm • thermometer • vapour • scales

temperature

- the amount of heat in the air
- unit: degrees Celsius (°C) or degrees Fahrenheit (°F)
- instrument:

humidity

- the amount of water in the air
- unit: percentage (%)
- instrument: hygrometer

precipitation

- water that falls from clouds
- unit: millimetres (.....)
- instrument: rain gauge

wind

- the movement of air in the atmosphere
- unit: per hour (km/h)
- instrument: anemometer

atmospheric pressure

- the weight of the air in the atmosphere
- unit: hectopascals (hPa)
- instrument: barometer