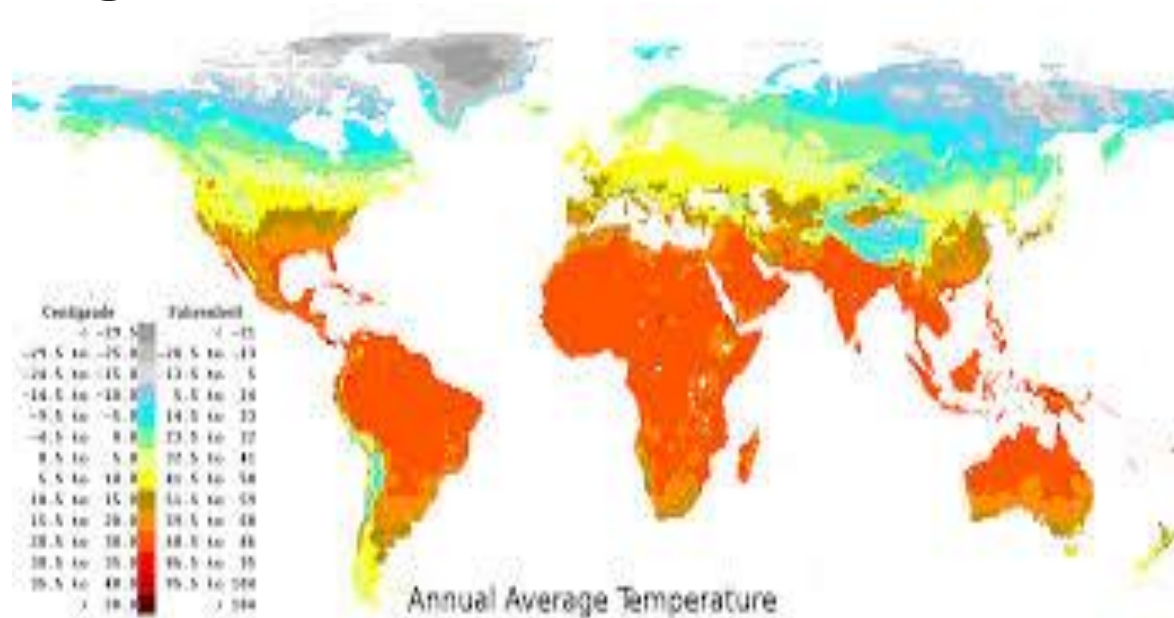


Climate - is the average measurements of temperature, wind, humidity, snow, and rain in a place over the course of years. **Climate** is like the weather, but over a long time.

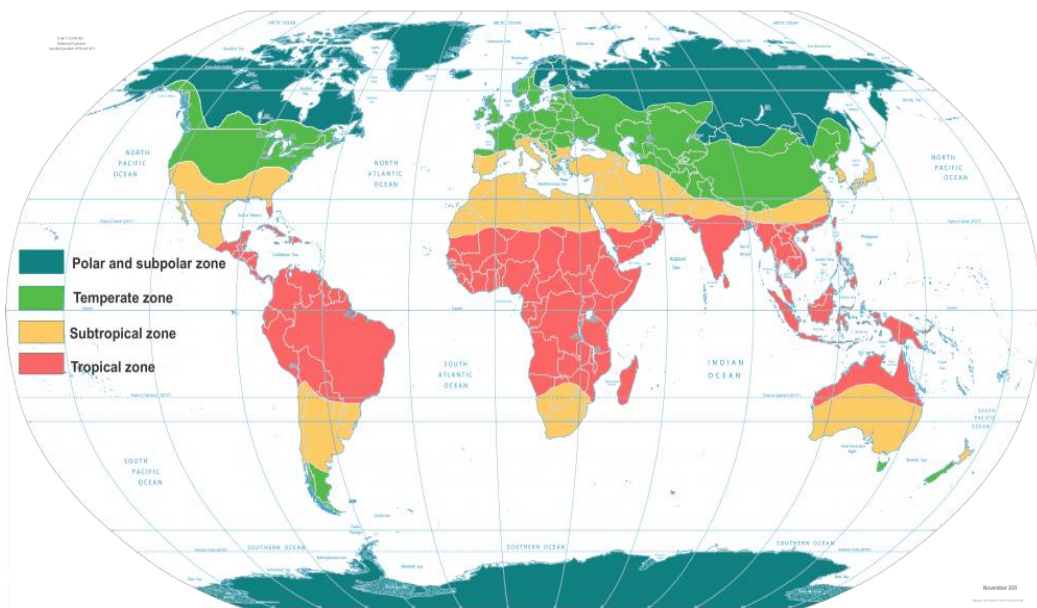


Climate Zone - are divisions of the Earth's climates into general climate zones according to average temperatures and average rainfall. The three major climate zones on the Earth are the polar, temperate and tropical zones.

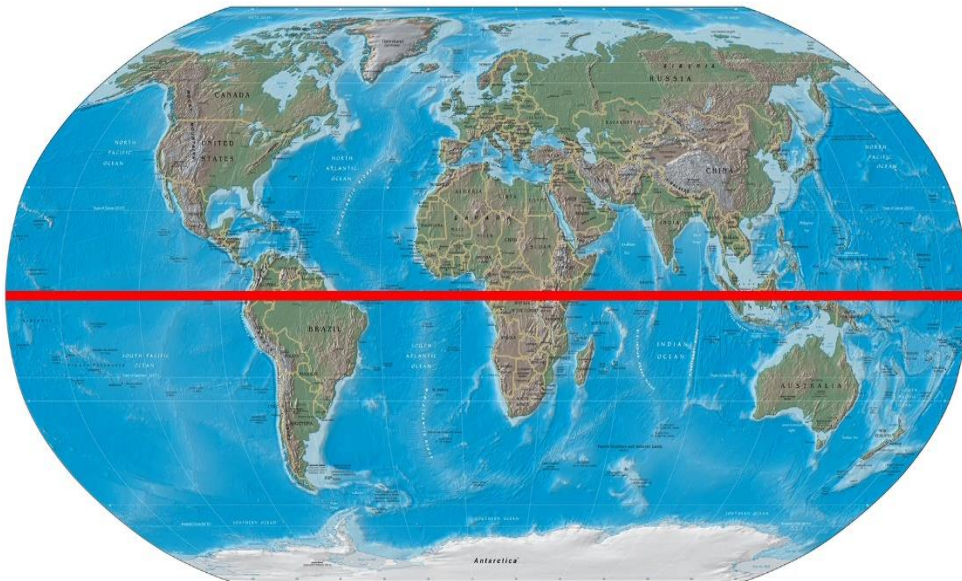
Temperatures in these three climate zones are determined mainly by their location.

Political Map of the World, November 2011

Source: https://www.cia.gov/library/publications/the-world-factbook/docs/Mapas_por_Clima.html



Equator - The **Equator** is an imaginary circle around Earth. It divides Earth into two equal parts: the Northern Hemisphere and the Southern Hemisphere. It runs east and west halfway between the North and South poles.

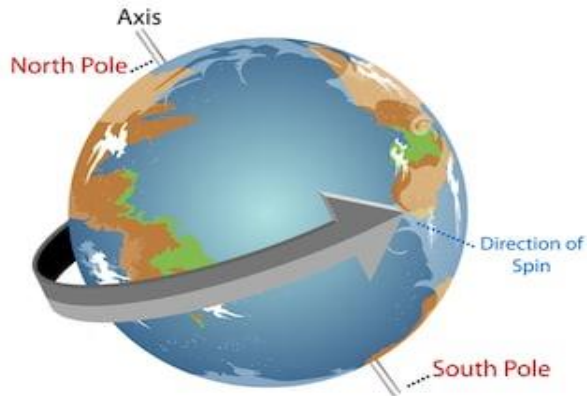


Weather - is the state of the atmosphere, describing for example the degree to which it is hot or cold, wet or dry, calm or stormy, clear or cloudy.

Weather refers to day-to-day temperature and precipitation activity.

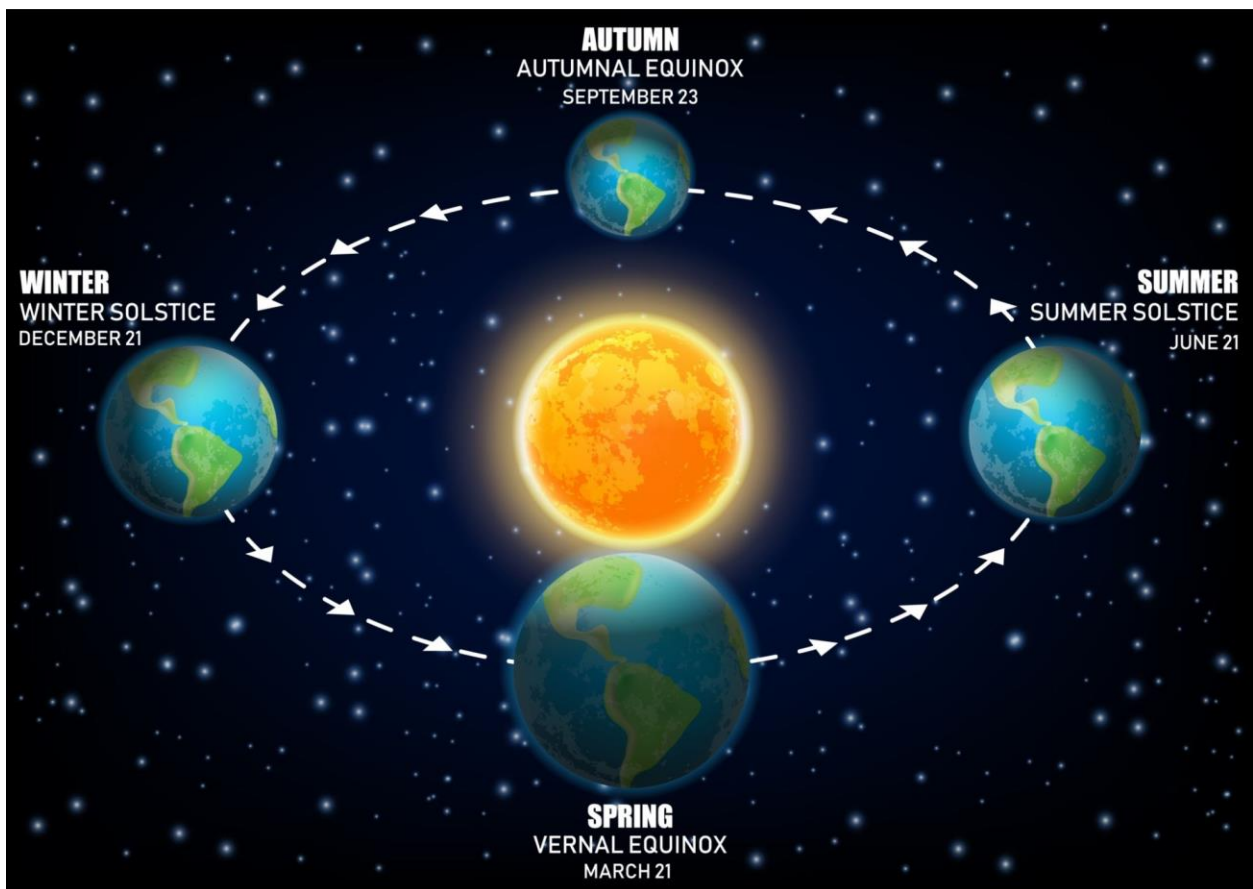


Axis - Earth's rotational axis is an imaginary straight line that runs through the North and South Pole.



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Solstice - Either of the two times in the year, the *summer solstice* and the *winter solstice*, when the sun reaches its highest or lowest point in the sky at noon, marked by the longest and shortest days.



Monsoon - A monsoon is a periodic wind, especially in the Indian Ocean and southern Asia. The word is also used to label the season in which this wind blows from the southwest in India and nearby areas that is characterised by very heavy rainfall, and specifically the rainfall that is associated with this wind.



Polar Ice Caps - Are dome-shaped sheets of ice found near the North and South Poles.



Greenhouse Gases: The greenhouse effect is a warming of Earth's surface and the air above it. It is caused by gases in the air that trap energy from the Sun. These heat-trapping gases are called **greenhouse gases**. The most common **greenhouse gases** are water vapor, carbon dioxide, and methane.

