



# Concepts of Geography

# Continent

Definition of continent: The major landmass on Earth is called continent.

Example of continent: There are seven continents in the world which are as 1. Asia (largest) 2. Africa 3. North America 4. South America 5. Europe 6. Australia (smallest) 7. Antarctica



# Ocean

Definition of ocean: A vast body of salt water that cover almost three fourth of the Earth's surface is called ocean.

Example of ocean: There are five oceans in the world which are as

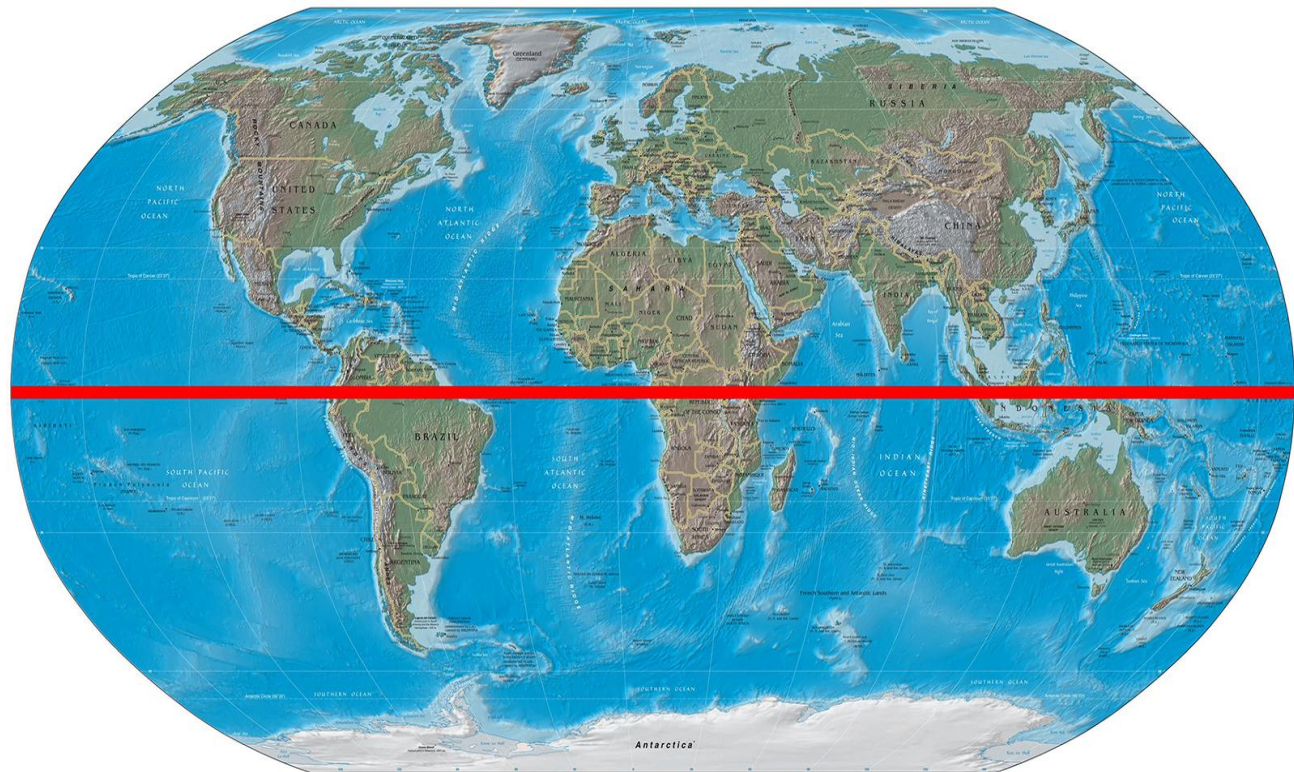
1. Pacific ocean
2. Atlantic ocean
3. Indian ocean
4. Arctic ocean
5. Southern ocean



# Equator

Definition of Equator: The line which divide the Earth surface into two poles one is Northern pole and other is Southern pole is called equator.

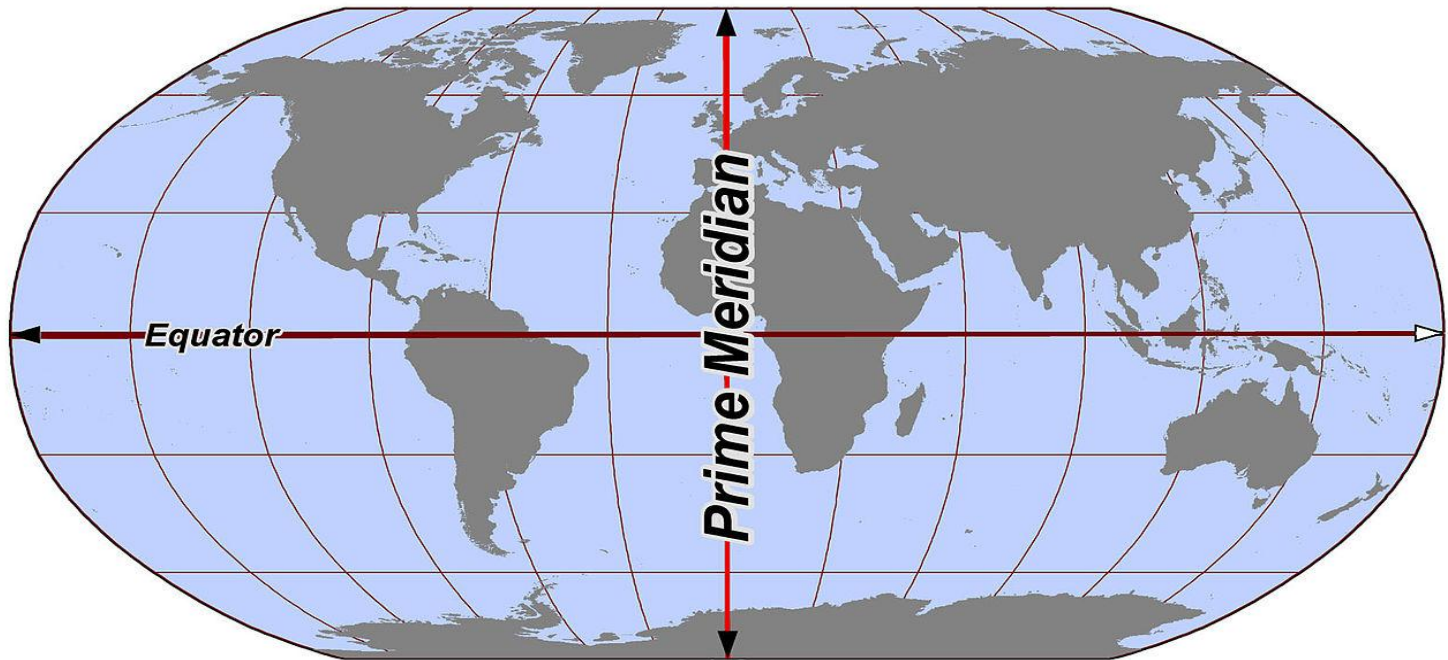
Diagram of equator: Diagram of equator is shown below:



# Prime Meridian

Definition of prime meridian: The line which divide the earth surface into eastern pole and western pole is called prime meridian.

Diagram of prime meridian: Diagram of prime meridian is shown below:







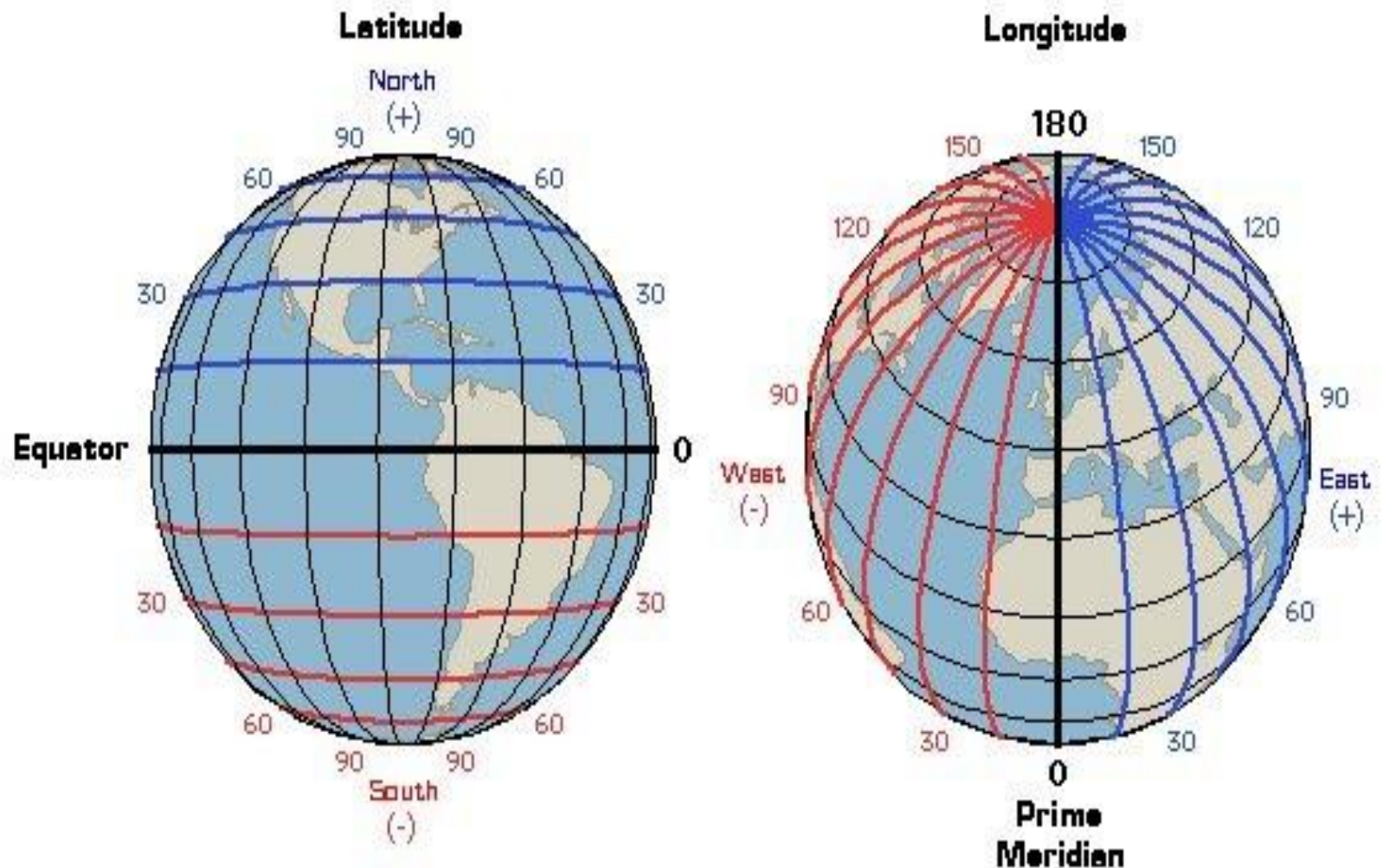
# Latitude

Definition of latitude: These are the lines which measure the distance from North pole to South pole of the equator is called latitude. Derived from Latin word “latus” meaning “wide”. It has 180 angles.

# Longitude

Definition of longitude: These are the lines which measure the distance from East to West pole of the prime meridian is called longitude. Derived from Latin word “longus” meaning “length. It has 360 angles.

# Diagram of Latitude and Longitude





# Grid Network

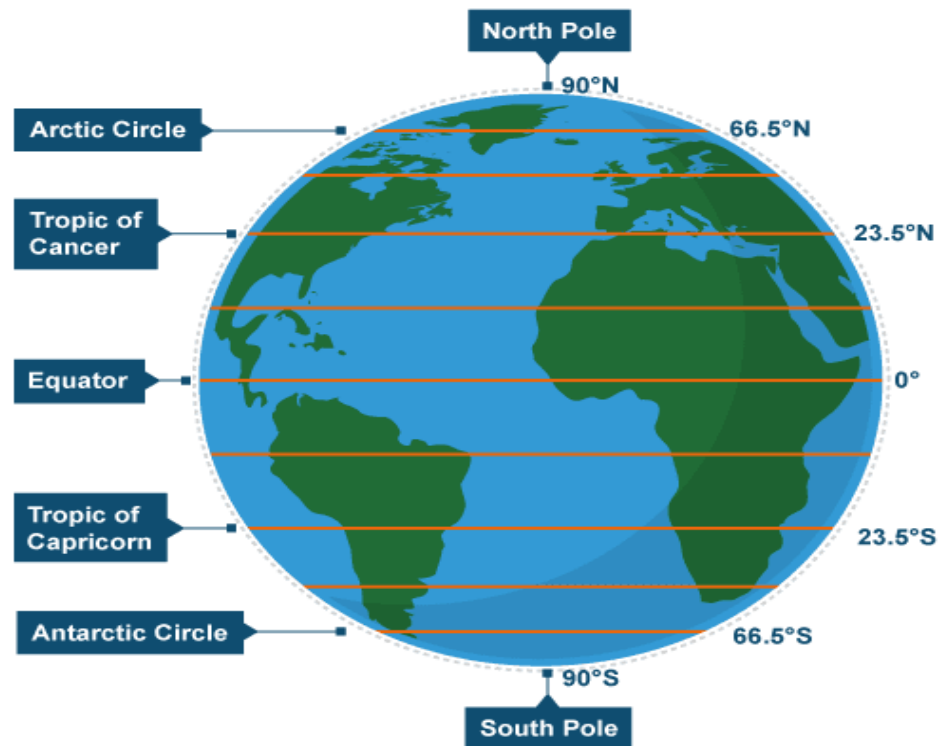
Definition: If we do deeply study of latitude and longitude then these lines network is called grid network.



# Tropic of Cancer

Definition: A line of latitude about 23.5 degree to the Northern pole from equator is called Tropic of Cancer.

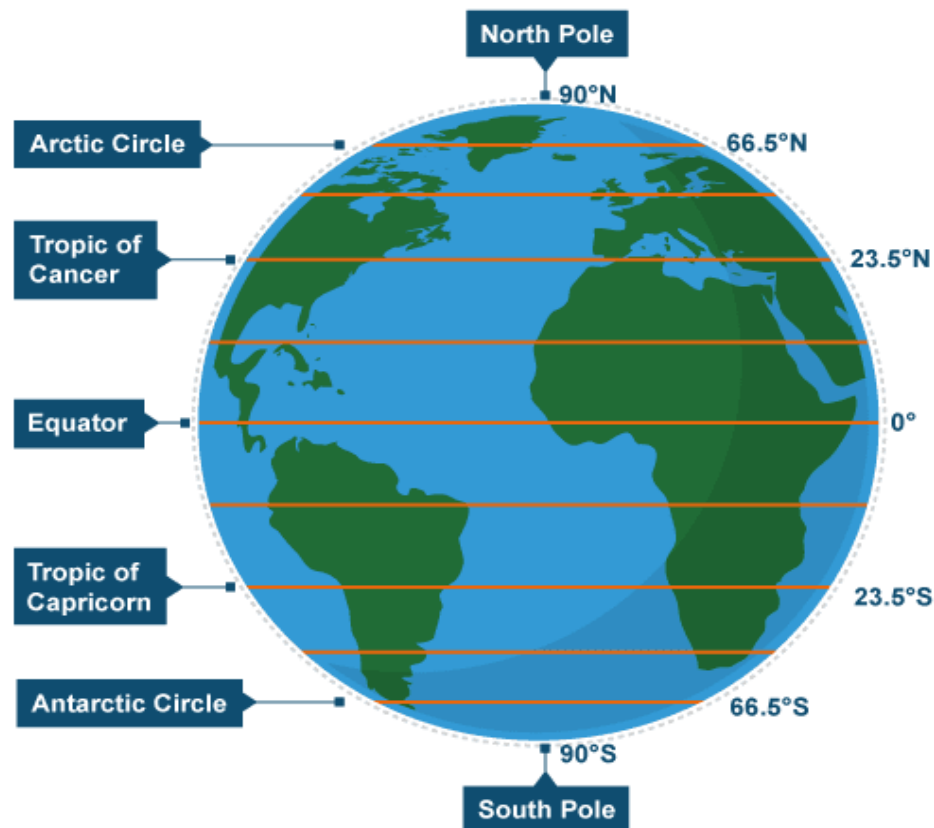
Diagram: Diagram of tropic of cancer is as:



# Tropic of Capricorn

Definition: A line of latitude about 23.5 degree to the Southern pole from equator is called Tropic of Capricorn.

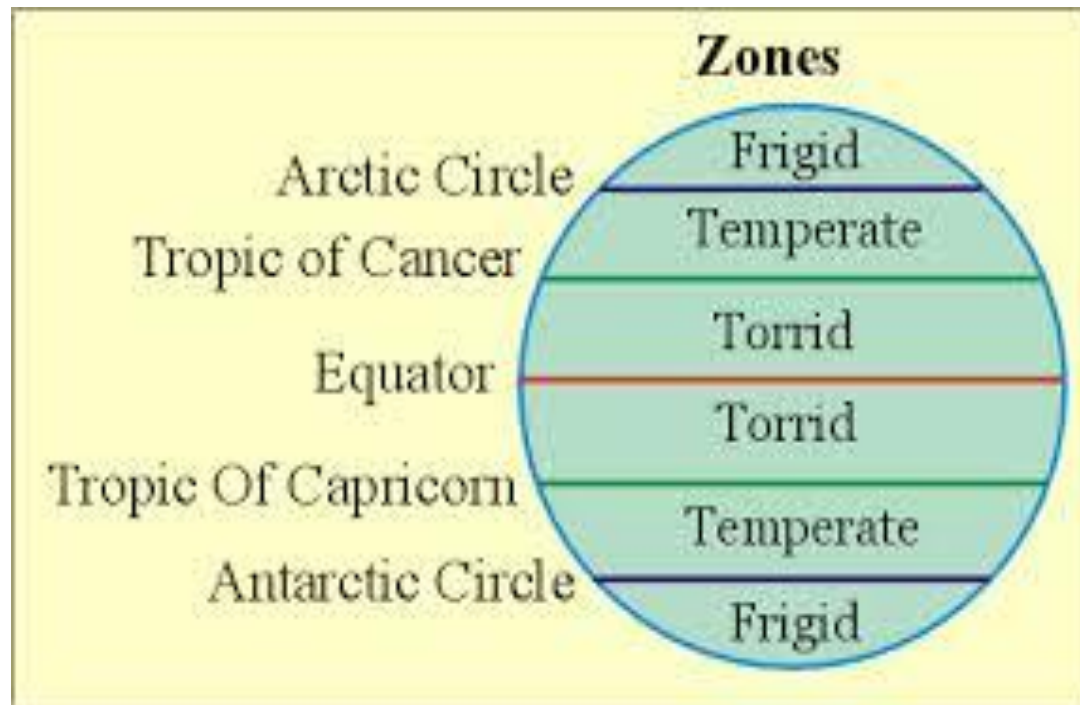
Diagram: Diagram of Tropic of Capricorn is as:



# Zones

Types of zones: There are three zones 1. Tropical/torrid zone 2. Moderate/temperate zone 3. Frigid/polar zone

Tropical/torrid zone: The part of Earth's surface between Tropic of Cancer and Tropic of Capricorn characterized by hot climate is called Tropical/torrid zone.



# Moderate Zone

Definition: The part of Earth's surface above the Tropic of Cancer and below the Tropic of Capricorn is called moderate zone.

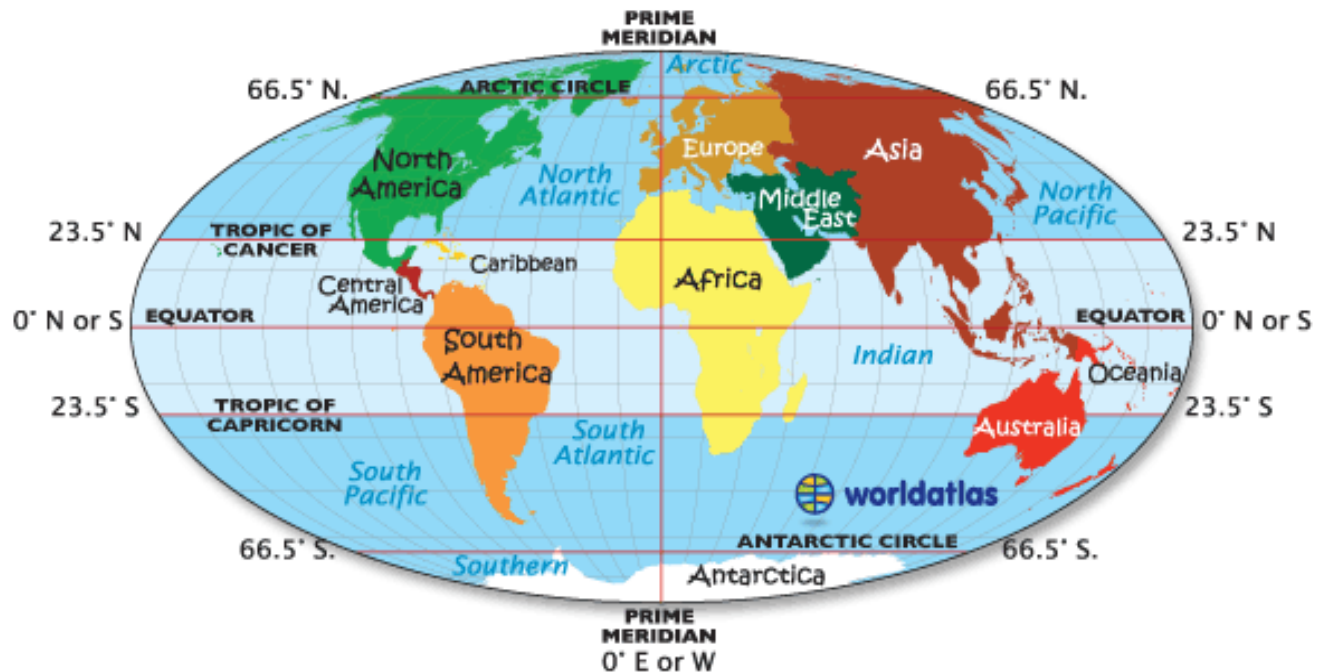
Diagram: Diagram of moderate zone:



# Frigid Zone

Definition: The part of Earth's surface above 66.5 degree of northern pole and below 66.5 degree of Southern pole and is always frigid is called frigid zone.

Diagram: Diagram of frigid zone is as:





# Revolution

Definition: When Earth revolves around the Sun it is called revolution. A revolution is also known as a year and contained 365.25 days. Speed of Earth revolution= 107000km/h (66486.71 mil)

# Season

Definition of season: Nature distribute the year in four divisions. Each division is called season.

Kinds of season: There are four kinds of season

1. Spring season
2. Sumer season
3. Autumn season
4. Winter season



# Vernal Equinox

Definition: The time when the sun passes on equator marking the beginning of spring and day night are equal is called vernal equinox. It occur at 20 or 21 March.

# Summer Solstice

Definition: The time at which the sun is at its Northern most point is called summer solstice. It occur about June 21 or 22.

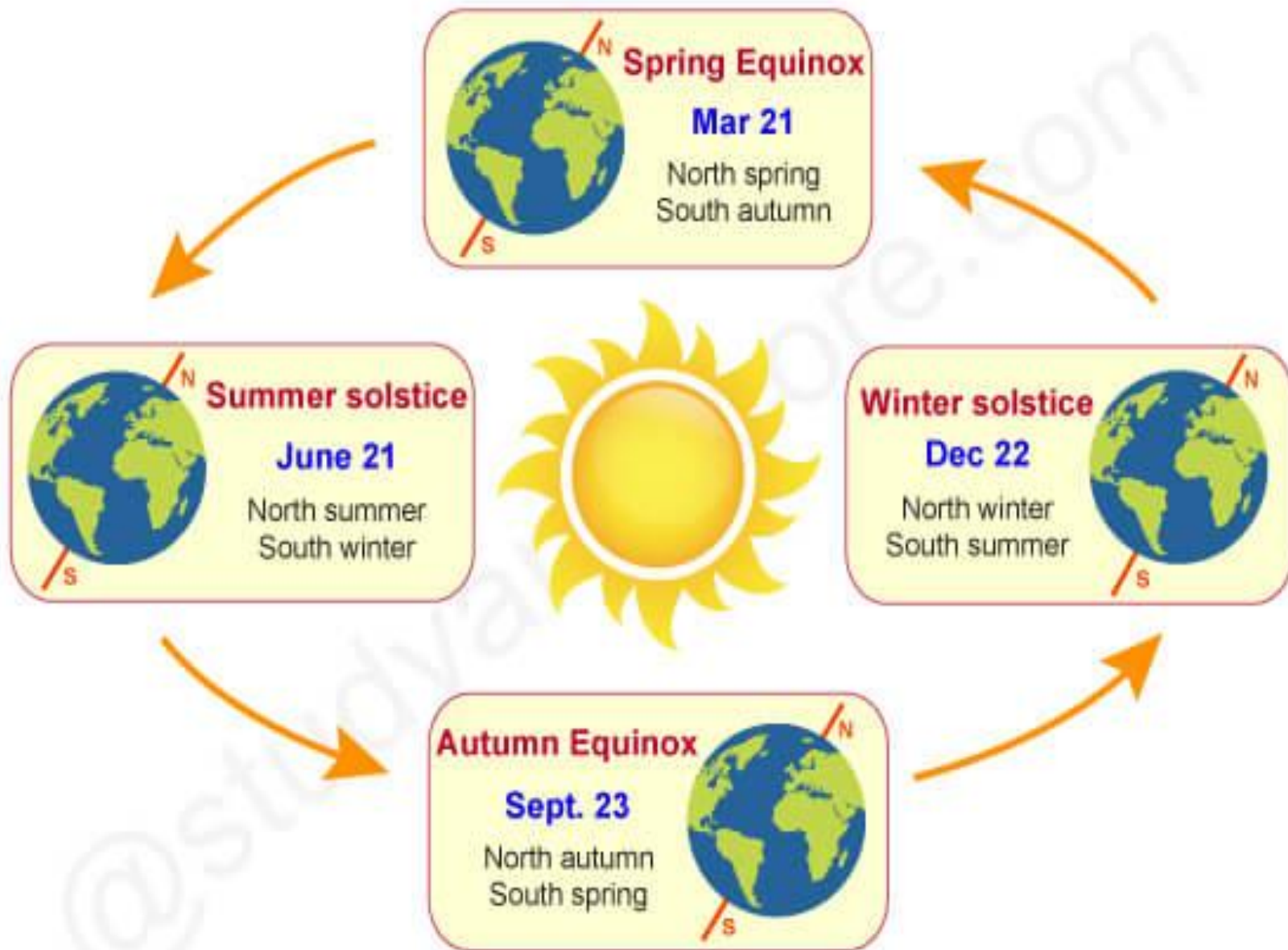


# Autumnal Equinox

Definition: When sun passes on equator at the beginning of autumn is called autumnal equinox. It is time when day and night are equal at 12,12 hour and occur at September 22 or 23

# Winter Solstice

Definition: The time when sun is at its southern most point is called winter solstice. It occur about December 21 or 22.

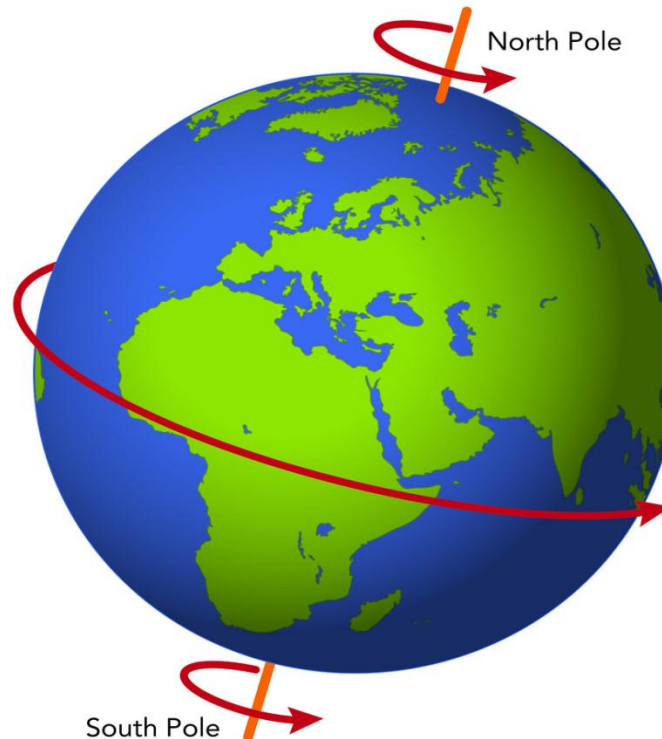


## REVOLUTION OF EARTH SHOWING SOLSTICE AND EQUINOX



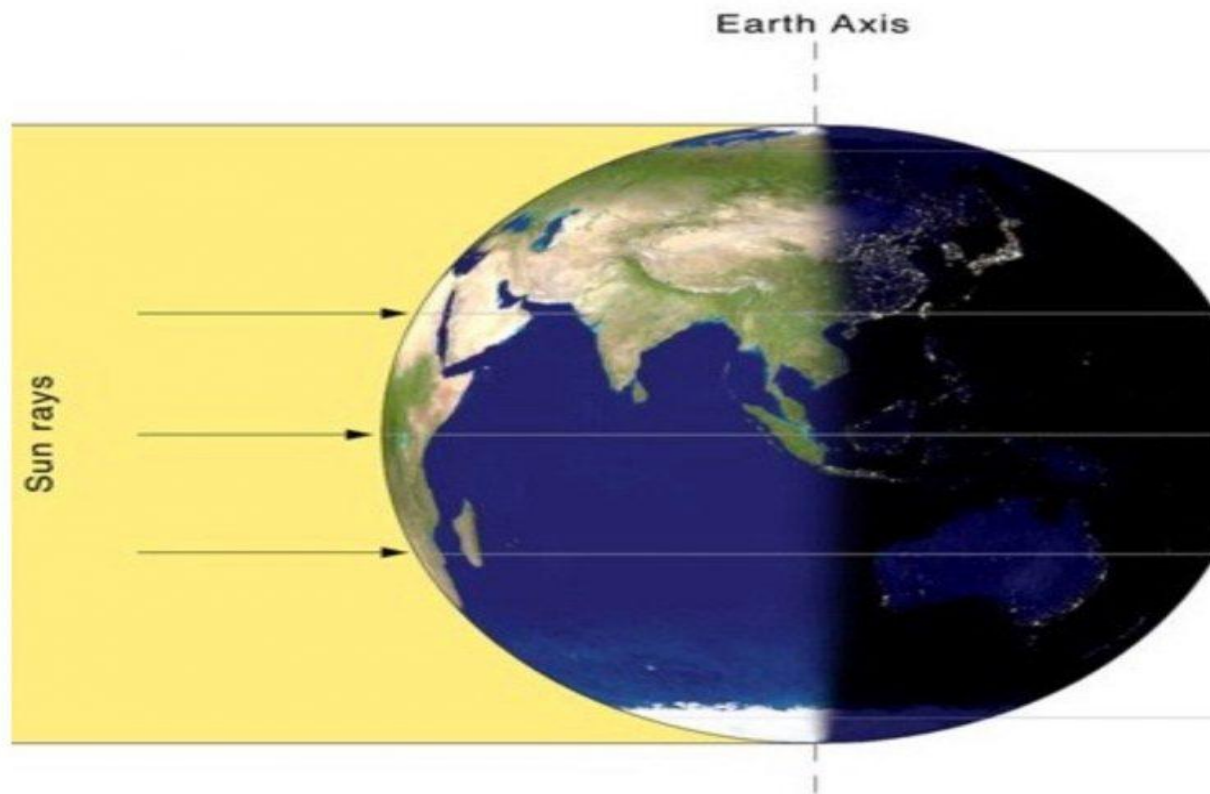
# Earth Rotation

Definition: The process in which Earth rotate on its axis at the speed of 1670 km/h (1070mil/h) is called Earth rotation.



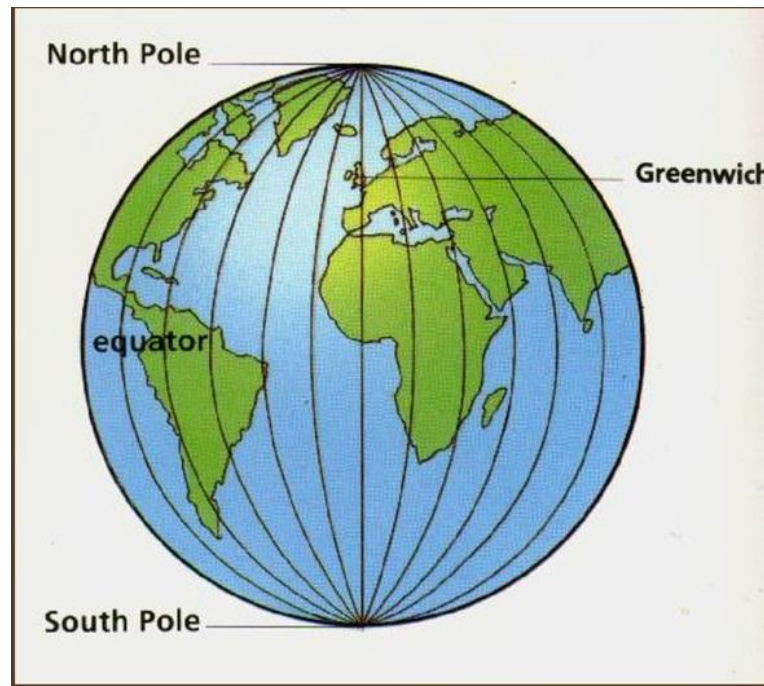
# Day and Night

Definition: Earth rotates on its axis, side of Earth that is facing the sun is called day and Earth side facing away from the sun is called night.



# Time Line

Definition: Prime meridian is also known as time line and international time is measure at GMT (Greenwich Mean Time) which is present in British.



# International Date Line

Definition: A line through pacific ocean roughly corresponding to 180 degree of East longitude which become international agreement and East calendar is always earlier one day than West.

