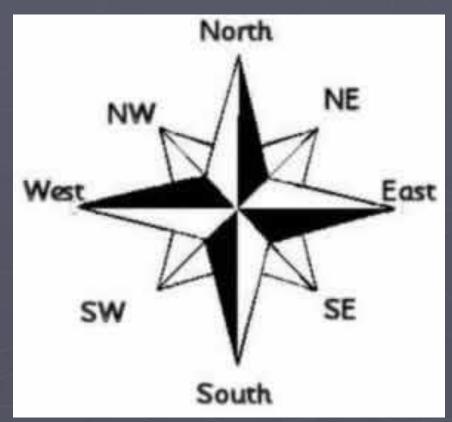
Basic Map References

Latitude and Longitude, Time Zones, Continents and Oceans, Hemispheres and Regions

Cardinal Directions

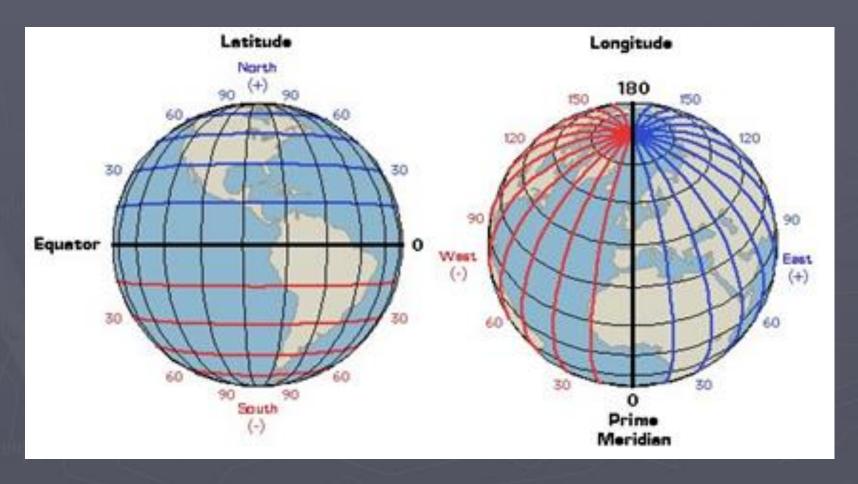
The major directions
 North, South, East,

West



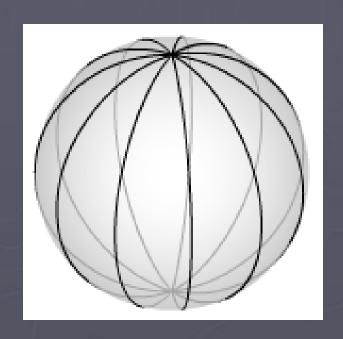
Latitude and Longitude

 The imaginary reference lines that run from North to South (Longitude) and East to West (Latitude) across the Earth.



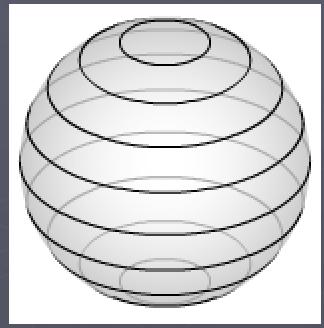
Measuring Longitude

- Longitude lines (also called meridians) connect the North Pole and the South Pole, but are measures East and West.
 - From O° to 180° East and 180°West
 - 0° Longitude is Prime Meridian or Greenwich Line
 - Roughly 180° is International Date Line



Measuring Latitude

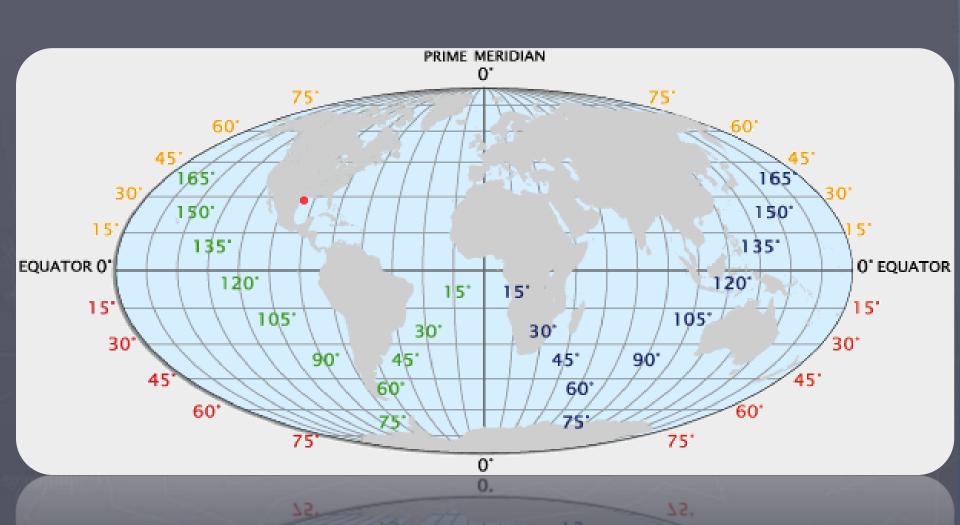
- Lines of Latitude (or Parallels)
 run horizontally around the
 earth but are measured
 North and South
- Each degree of Latitude is about 69miles (111km) measuring away from 0° Latitude (The Equator)



Major Latitude References

- The Equator is 0° Latitude
- The North Pole is at 90°N, while the South Pole is at 90°S
- The Tropic of Cancer is 23.5°N, and the Tropic of Capricorn is 23.5°S
- Arctic Circle is 66.33°N, and Antarctic Circle is 66.33°S

Lines of Latitude and Longitude



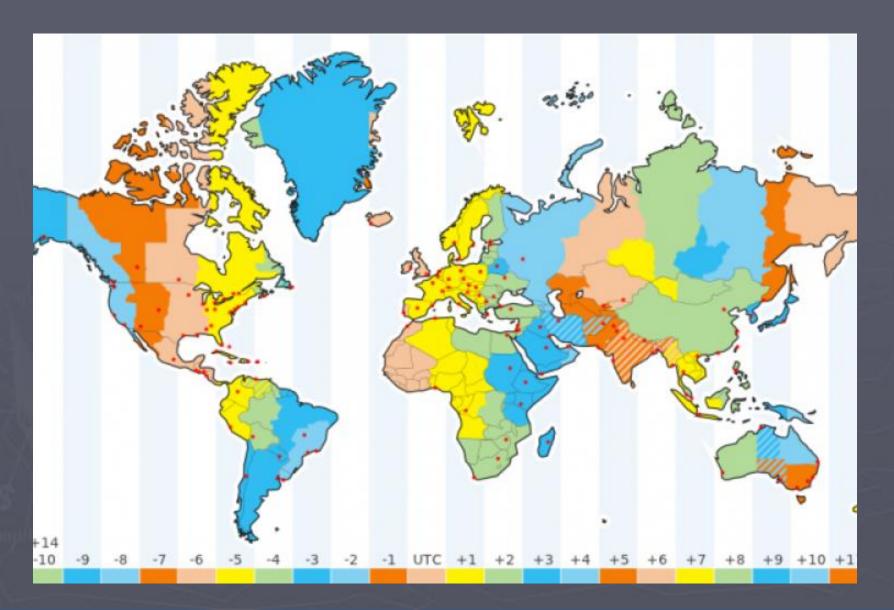
Coordinates

- Latitude and Longitude are written as a set of coordinates
 - Longitude is measured around the globe and is broken into 380°
 - Latitude reached from the Equator to the Poles and is broken into 180°
- Coordinates are divided into degrees, minutes, seconds, and sub-seconds
 - Example Eiffel Tower is at 48°51'28.63"North,
 2°17'39.64"East

Time Zones

- It takes the Earth 24 hours to do one full rotation, meaning it goes about spins 15° longitude every hour
- There are 24 Standard Time Zones, and 16 other time zones
 - Example: China has its own Time Zone for the entire country

Time Zones



Continents



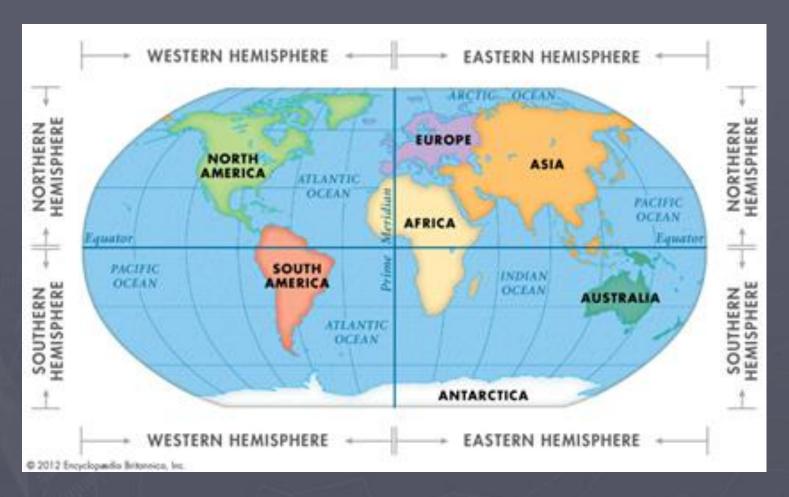
 Sub-divisions of the Earth's surface into 7 different geographic areas

Oceans



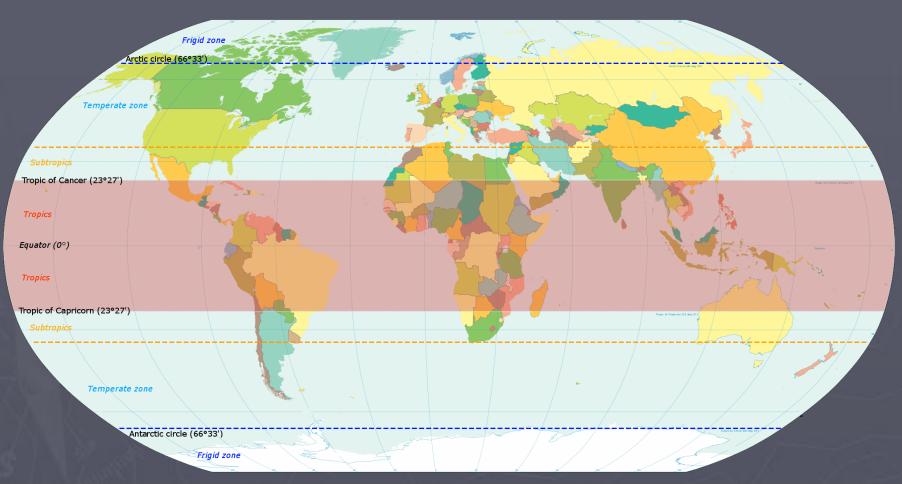
 The five very large bodies of water that cover most of the Earth's surface

Hemispheres



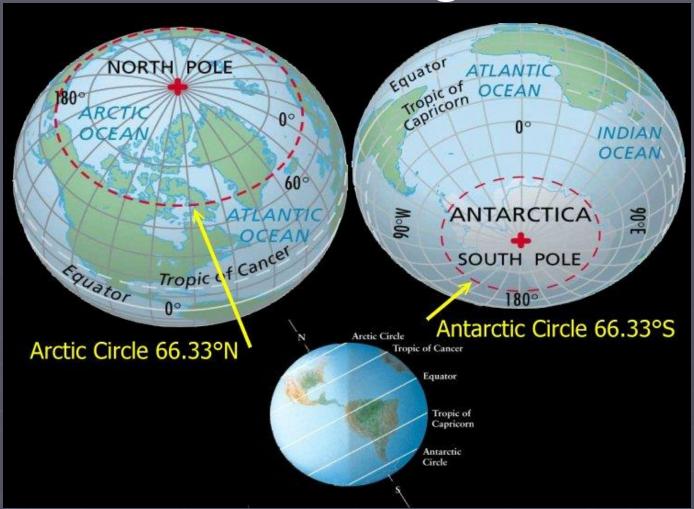
 Splitting the world into quarters using the Equator and Prime Meridian as dividing lines

The Tropics



 Area located in between the Tropic of Cancer (North) and Tropic of Capricorn (South)

The Polar Regions



 The Area located above and below the Artic and Antarctic Circles