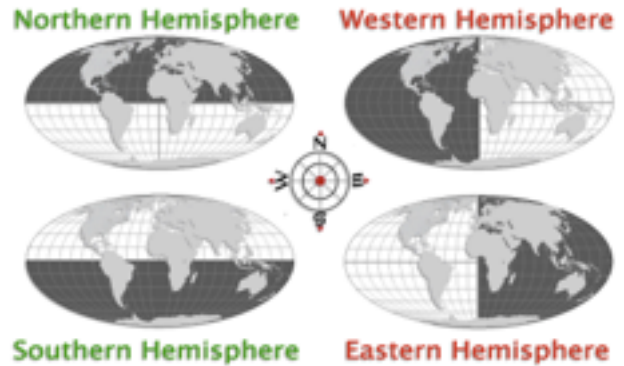


Sphere

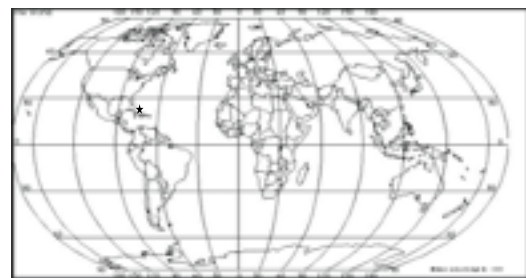
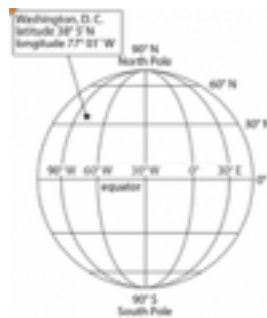


Hemispheres



All places on Earth are located in 2 hemispheres. The Northern or Southern, AND the Eastern or Western. This divides the earth into a grid, like the coordinate system in math class.

Points are always plotted (degree N or S, degree E or W) just as in math class, they are always plotted (X,Y).



Longitude

Lines of longitude are called meridians. They run from the North Pole to the South Pole like slices of an orange. They are like the x coordinate in math- they are used to measure east and west. The zero line (0°) is called the Prime Meridian. The 180° line is called the International Date Line. Meridians are used as guidelines for setting time zones.

Latitude

Lines of latitude are called parallels, because they never intersect. They are also often called circles, because they run in rings around the globe. They are like the y coordinates in math class- they are used to measure north and south. The zero line (0°) is called the Equator. The 2 90° points are called the North and South poles. Latitudes are related to weather. Some special lines mark areas where climate changes (the Tropic of Cancer at 23°26'N, the Tropic of Capricorn at 23°26'S).

