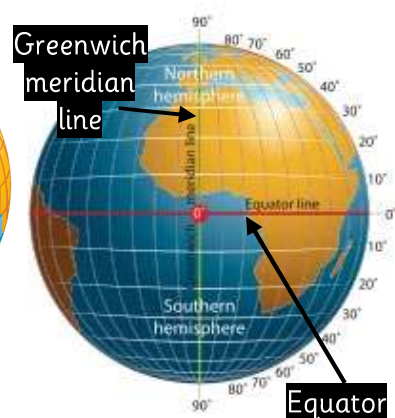
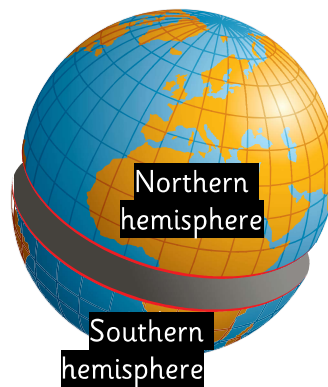




latitude

imaginary **horizontal** lines
east ↔ west
shorter nearer the poles

parallel and never touch →

Arctic Circle
(north)

Tropic of Cancer
(north)

Equator 0° latitude

Tropic of Capricorn
(south)

Antarctic Circle
(south)

measured in degrees ° north or south of the **equator**

North Pole = 90° N of equator

South Pole = 90° S of equator

longitude

imaginary **vertical** lines
north ↔ south
all meet at the poles

widest at the **equator**

called **meridian lines**

International date line

prime meridian
0° longitude

Greenwich - London

measured in degrees ° east or west of the **prime meridian**

360° in total

day and night

Earth **rotates** **anti clockwise**

a = **day**

b = **night**

1 **rotation**
of earth
= 24 hours

365 ¼ days
earth **orbits**
sun once
every year

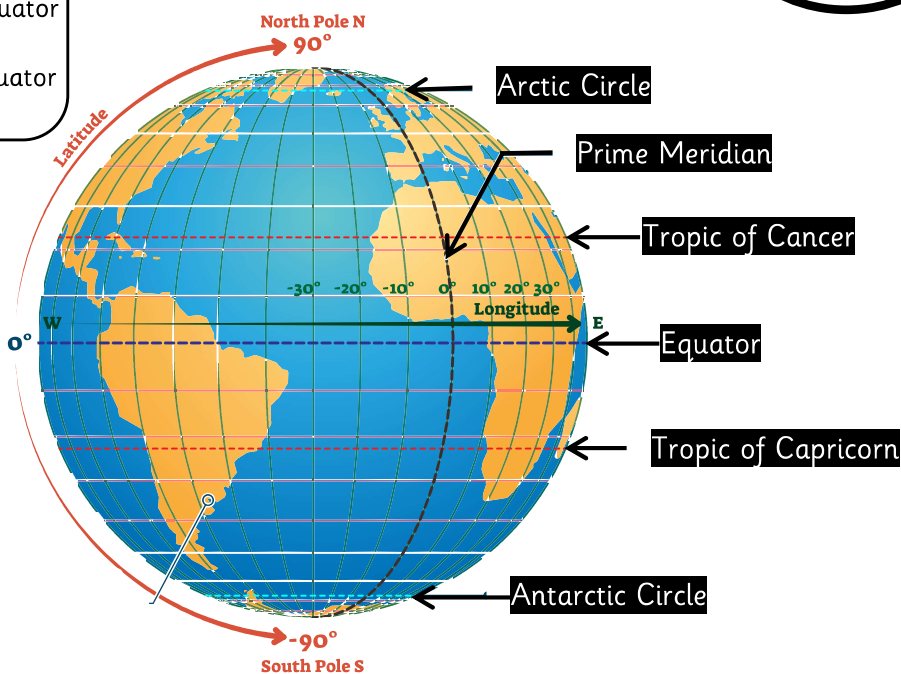
a = **night**

b = **day**

Northern hemisphere

Equator 0°

Southern hemisphere



PURPOSE

latitude and longitude

coordinate system

measure of location

longitude ↑↓

north or south of the
equator line

latitude ↔

east or west of the
prime meridian line