

latitude

imaginary **horizontal** lines
east \longleftrightarrow west
shorter nearer the poles

parallel and never touch \longleftrightarrow

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

Northern hemisphere

Equator 0°

Southern hemisphere

longitude

imaginary **vertical** lines
north
 \updownarrow
south

all meet at the **poles**

widest at the **equator**

called **meridian lines**

International date line

prime meridian

0° longitude

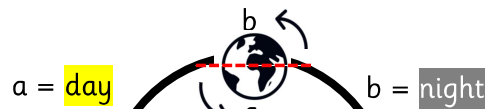
Greenwich - London

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

360° in total

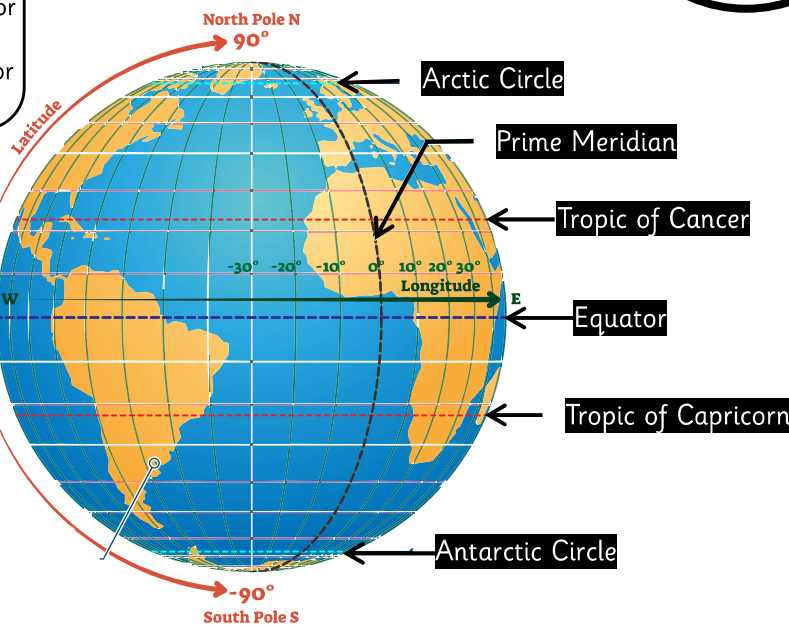
day and night

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



24
1 **rotation**
of earth
= 24 hours

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



PURPOSE

latitude and longitude

coordinate system

measure of location

longitude \updownarrow

north or south of the equator line

latitude \longleftrightarrow

east or west of the prime meridian line