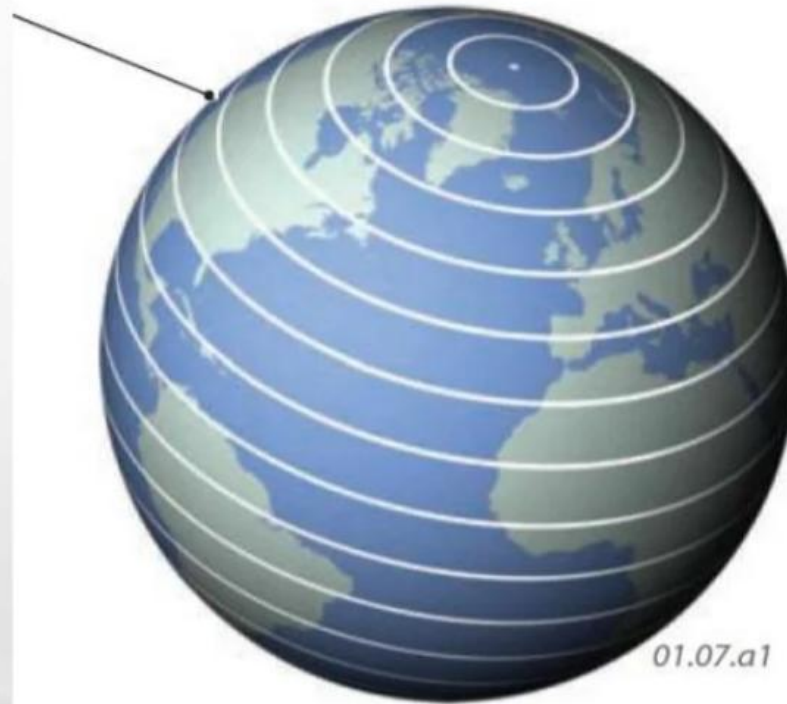
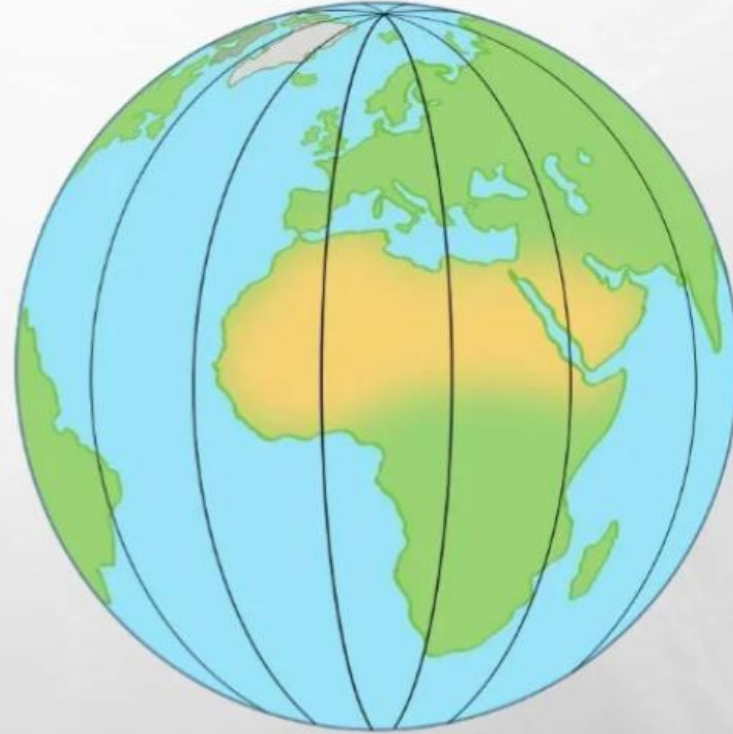


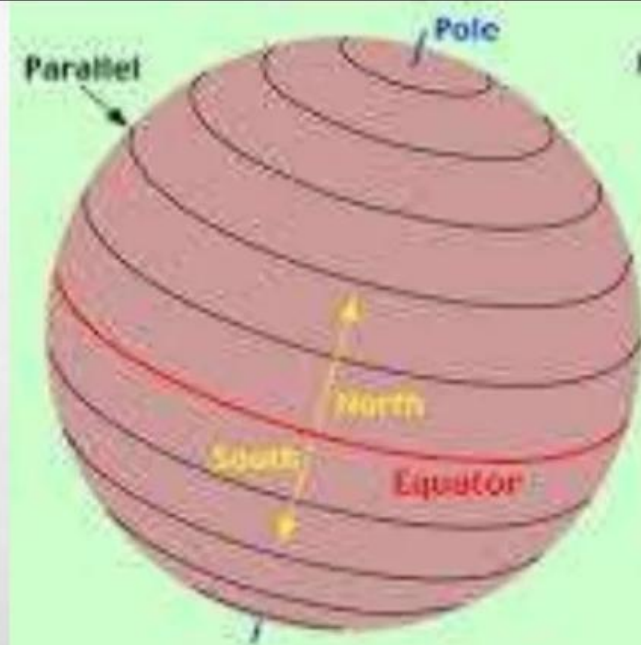
**The lines that
run sideways
(in the east-west
directions)
are called
parallels of
latitude.**



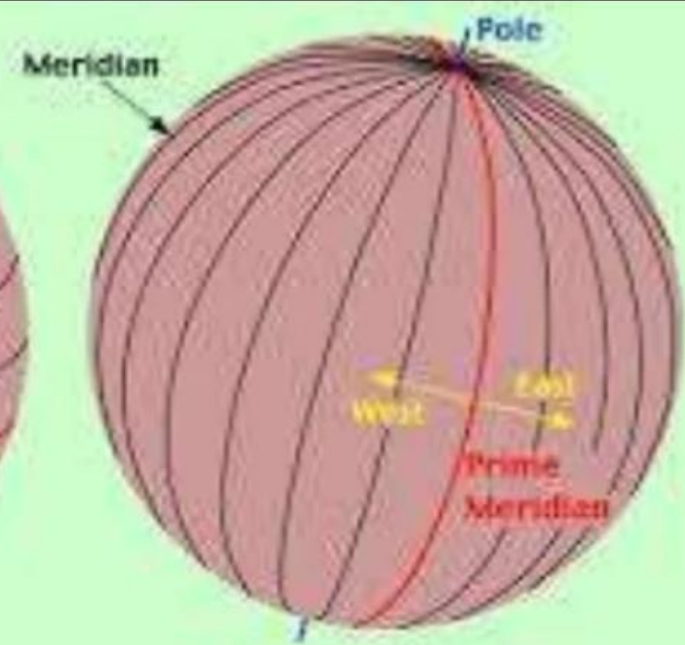
01.07.a1

**The lines that run
from top
to bottom
(in the north-south
direction)
are called
meridians of
longitude.**

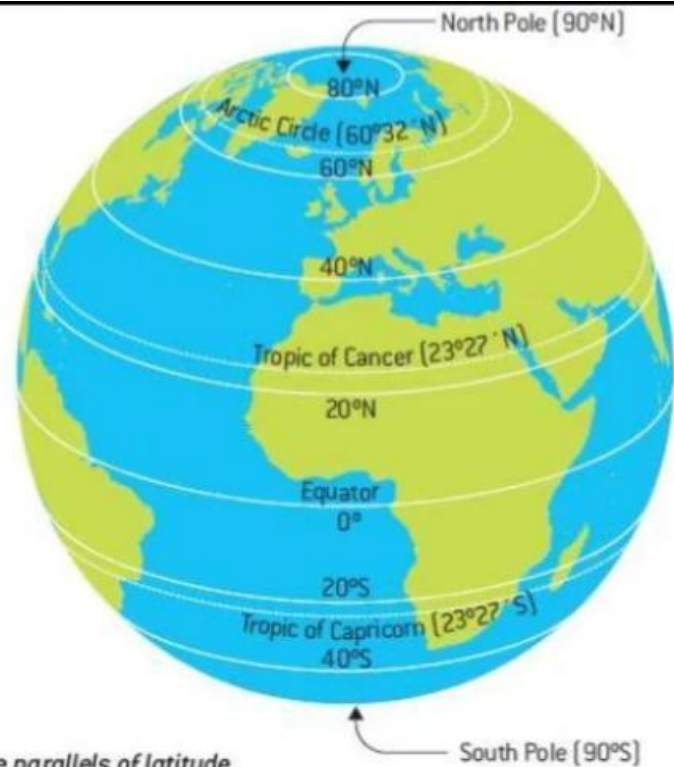




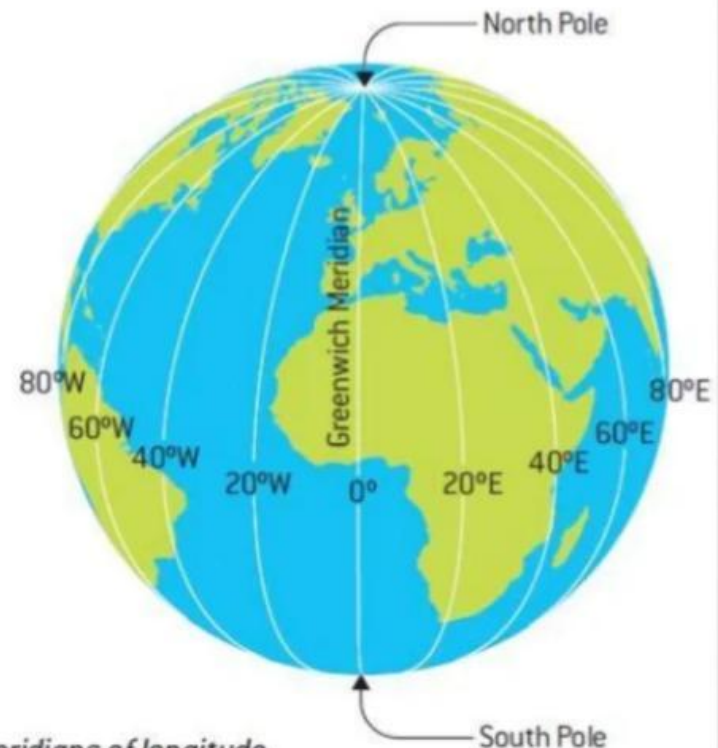
Latitude



Longitude



The parallels of latitude



The meridians of longitude

GRID



PARALLELS OF LATITUDES

* **The boundary lines of imaginary circles drawn around the earth.**

* **They run in the east-west direction.**

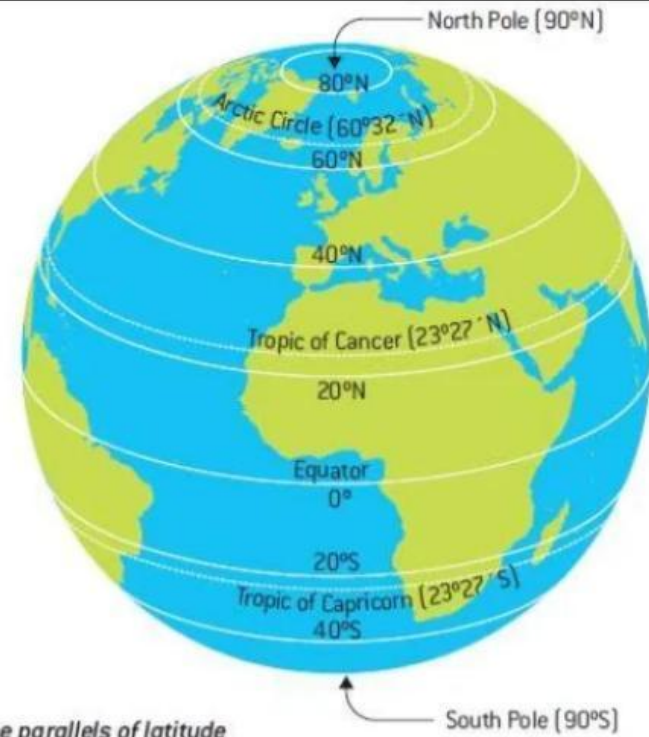


THE EQUATOR IS THE LONGEST PARALLEL

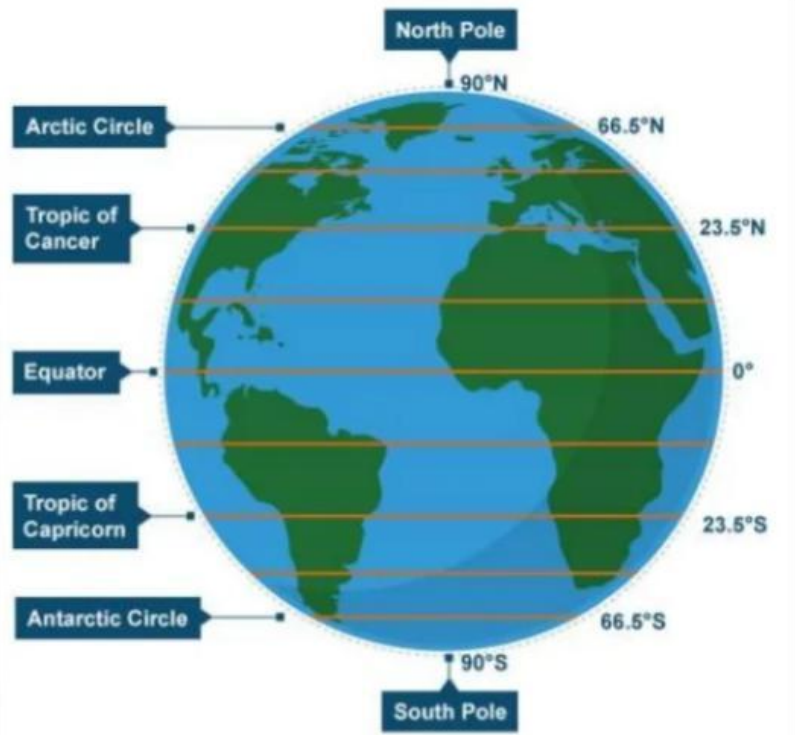


THE PARALLELS ARE NUMBERED

- * **THE EQUATOR IS MARKED 0°**
- * **THE NORTH POLE IS 90° N**
- * **THE SOUTH POLE IS 90° S**



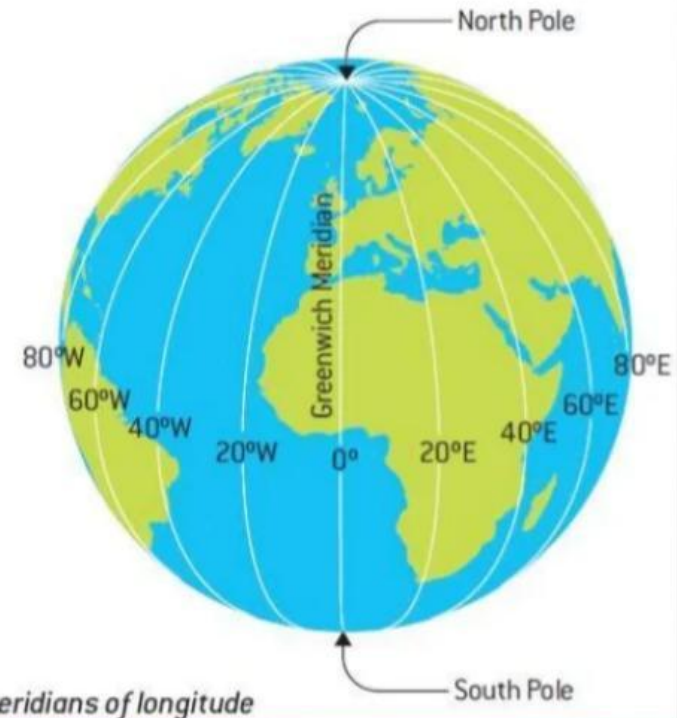
FIVE IMPORTANT PARALLELS OF LATITUDE



MERIDIANS OF LONGITUDE

*** The curve of an imaginary semicircle that joins the two poles.**

*** They run in the north-south direction.**



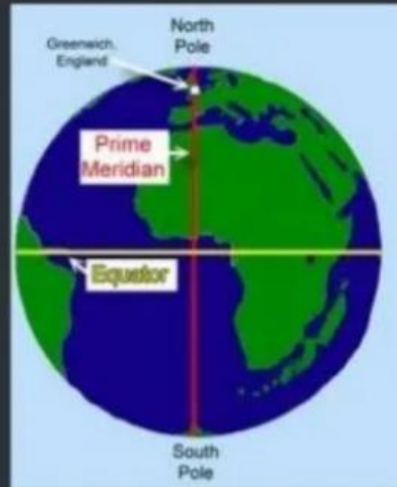
The meridian passing through Greenwich (in England) is taken as the 0° meridian or prime meridian.



The meridian passing through Greenwich (in England) is taken as the 0° meridian or prime meridian.



The meridian of Greenwich

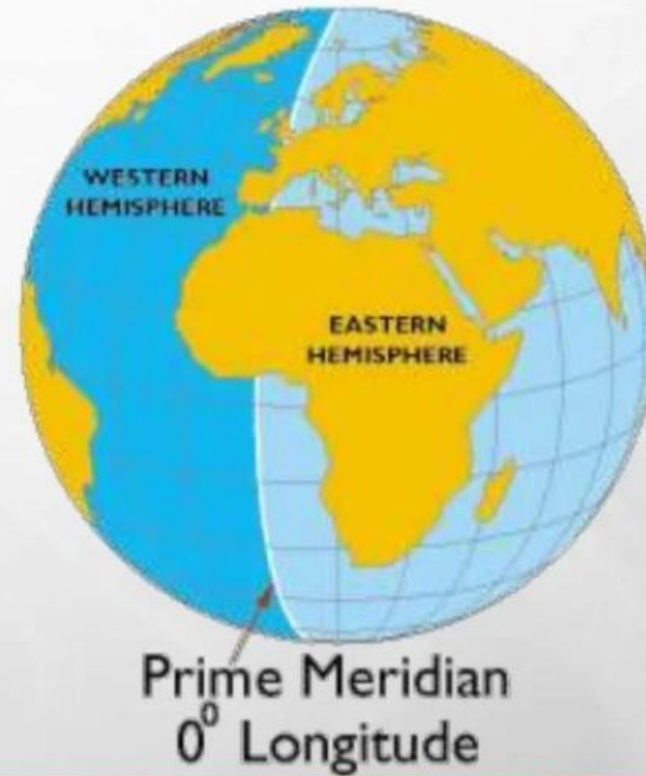


- It is called the meridian of Greenwich, because it goes through a village called Greenwich. This village, is situated in England, in the United Kingdom (UK).
- It is called too the prime meridian, or the meridian zero.



* **The half to the east of the prime meridian is the Eastern Hemisphere.**

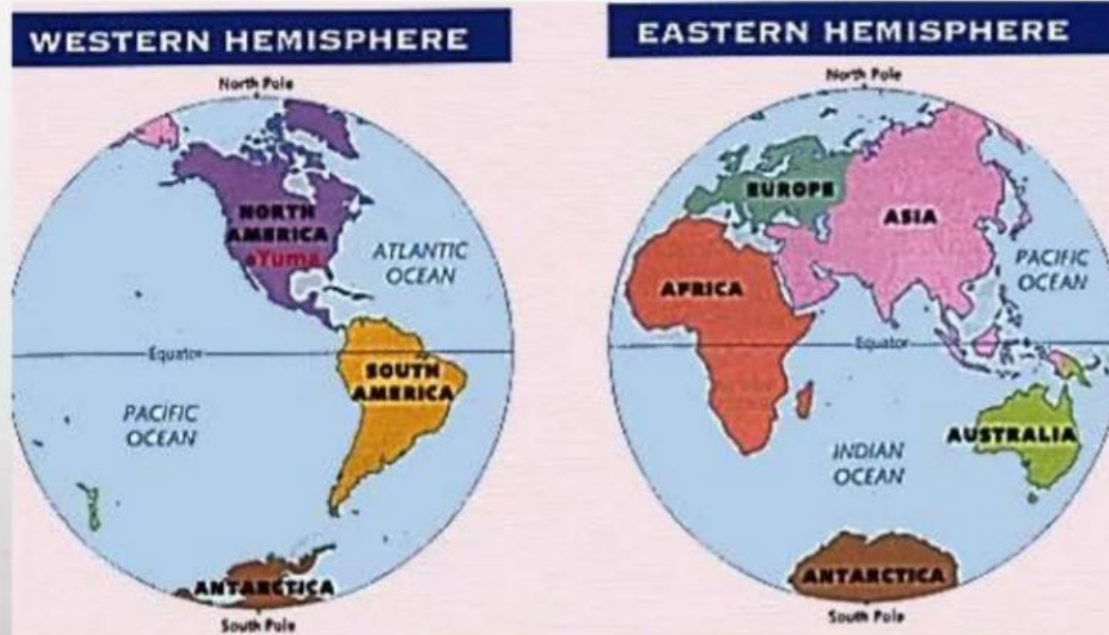
* **And the half to the west is the Western Hemisphere.**



**There is a time
difference
between places on
different
meridians because they
have sunrise and sunset
at different times.**



Time is ahead in the places to the east.



The countries in the Eastern Hemisphere have sunrise before those in the Western Hemisphere.



**WESTERN
HEMISPHERE**



**EASTERN
HEMISPHERE**

