

The Rotation of the Earth



Days and years

How long does it take the Earth to spin once on its axis?

How do the Earth and Sun move in relation to each other?

Click "**play**" to find out.



What time is it?

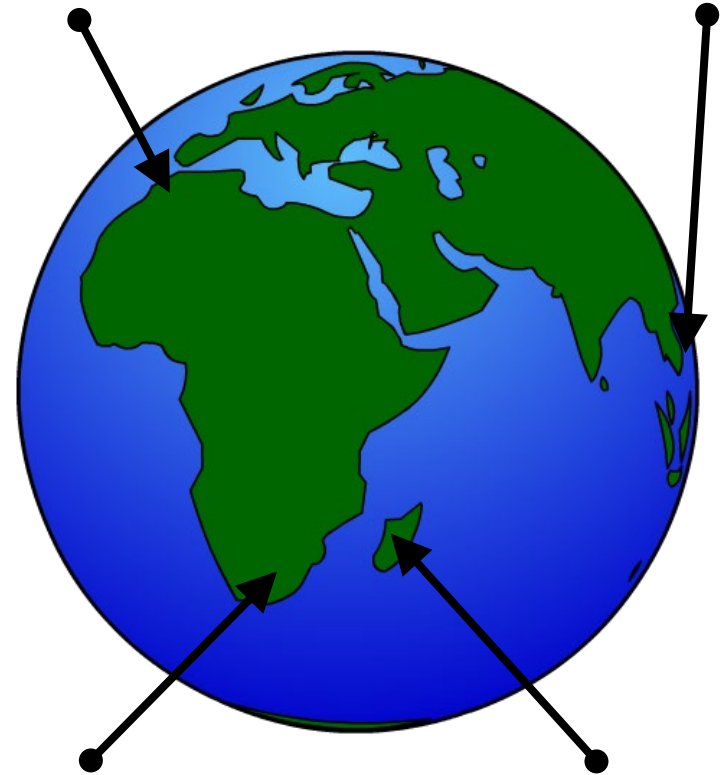
It is 4 am in New York.

What is the time in the rest of the world?

place	EDT	time
Casablanca	+5 hr	9 am
Pretoria	+7 hr	11 am
Antananarivo	+8 hr	12 pm
Philippines	+13 hr	5 pm

Casablanca

Philippines



Pretoria

Antananarivo

The path of the sun in the sky



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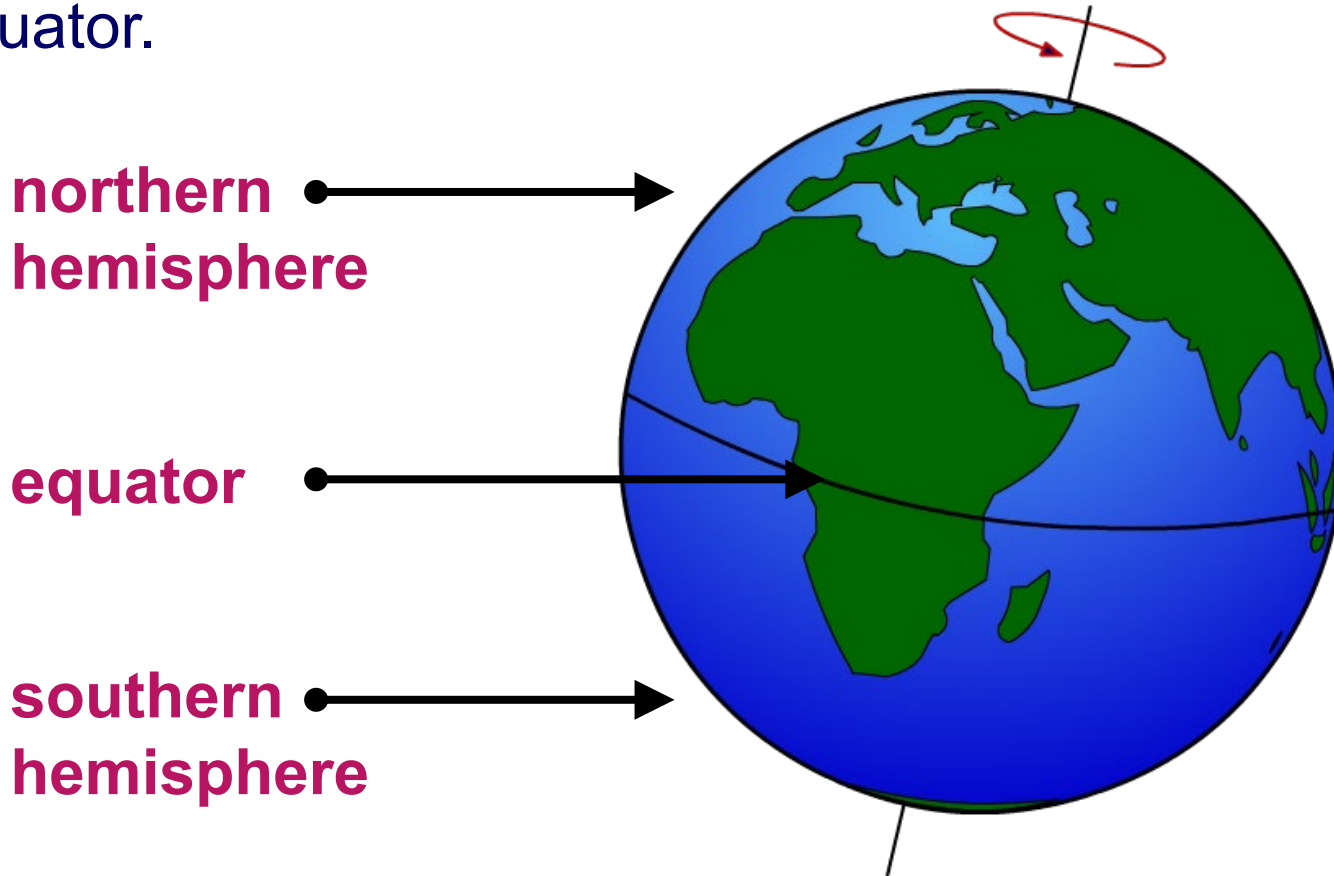
W

Press "play" to see the path of the Sun in the sky at different times of year.



What are hemispheres?

The Earth is divided into two hemispheres, separated by the equator.



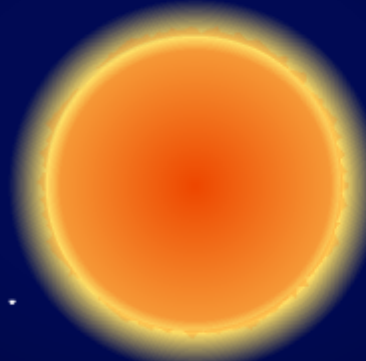
Why do the hemispheres have different seasons at different times of the year?



Why does the Earth have seasons?

Watch the orbit of the Earth around the Sun over the course of a year, to see how the tilt of the Earth causes the seasons.

Press "**play**" to begin.



What is the season?

What is the season?



northern
hemisphere

?

southern
hemisphere

?

spring

summer

fall

winter

?

C

solve

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