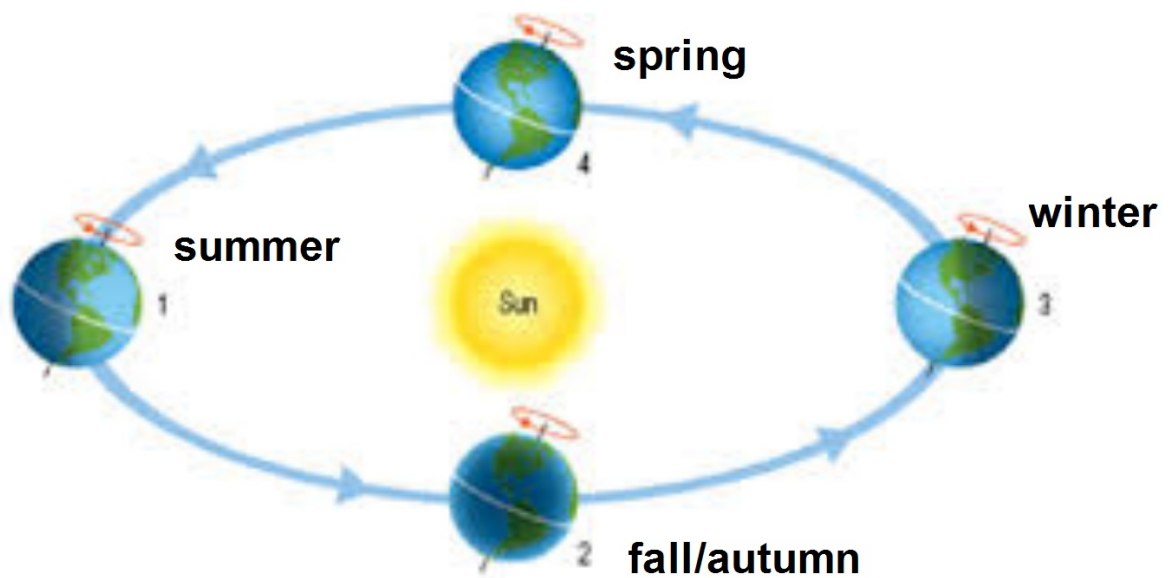


Seasons





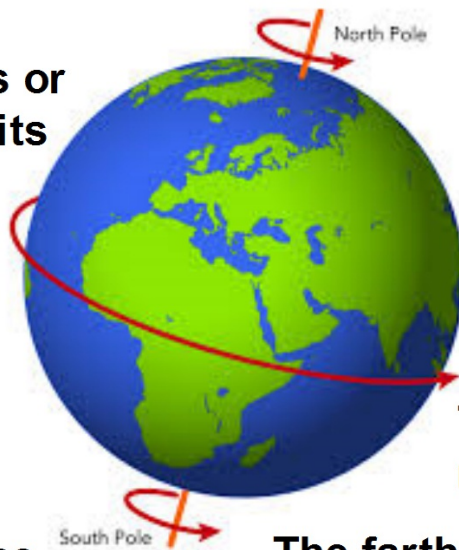
Seasons are caused by Earth's tilt on its axis and by its revolution around the sun.

When it is summer in the Northern Hemisphere, it is winter in the Southern Hemisphere and vice versa.

Earth spins or rotates on its axis.

This rotation causes night and day.

The Earth rotates once every 24 hours.

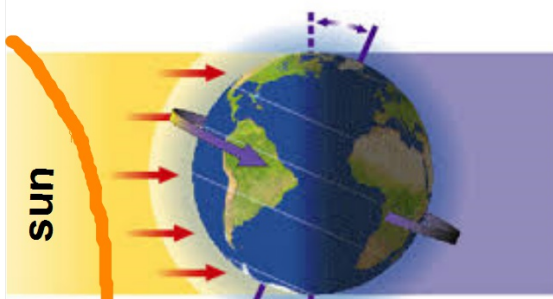


Earth's axis is tilted 23 degrees.

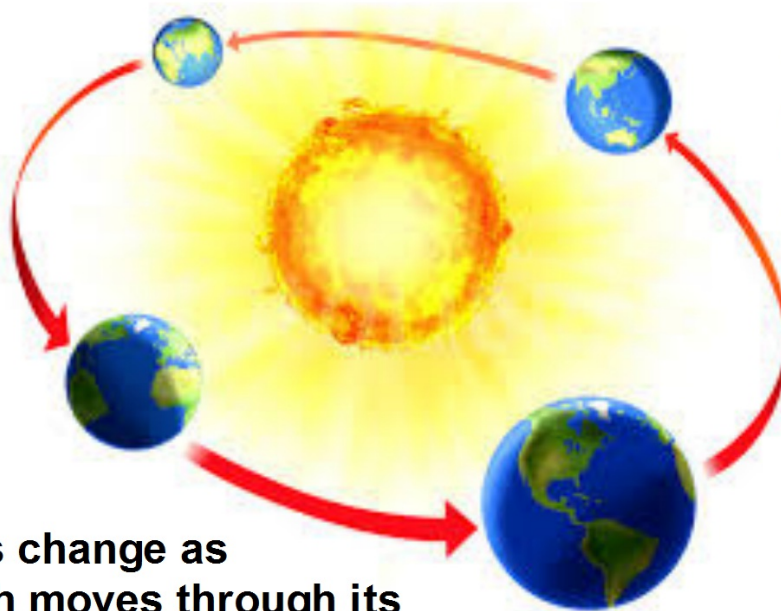
This tilt is part of the reason we have seasons.

The farther away from the equator you live, the less direct heating you have.

The equator has direct heating all year long.

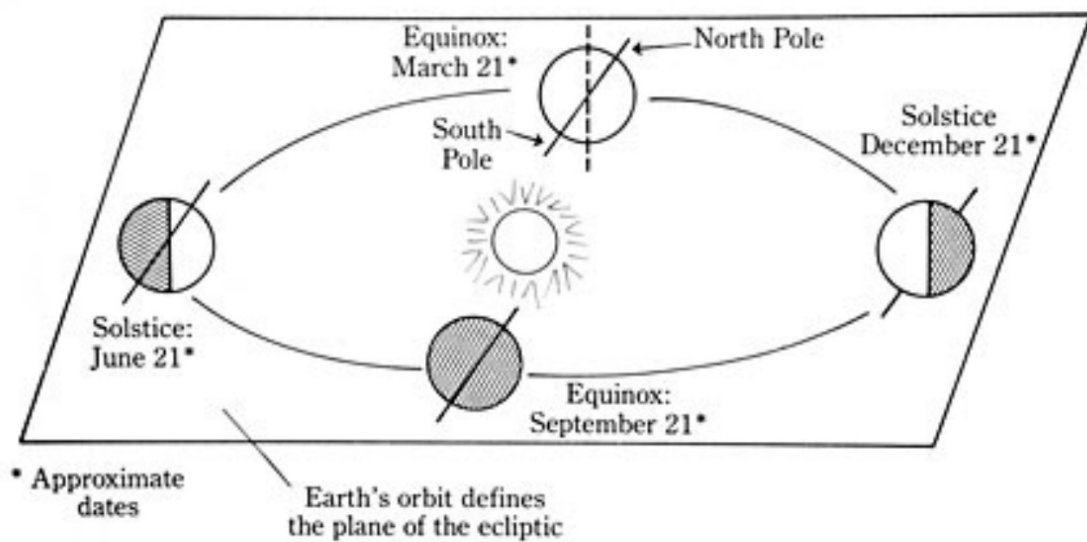


At the same time that Earth is rotating on its axis, it is revolving or orbiting around the sun.



**One orbit
around the sun
takes $365\frac{1}{4}$
days.**

**Seasons change as
the Earth moves through its
orbital plane. Sometimes the axis
is directed toward the sun. When this happens it is summer.
Sometimes the axis is directed away from the sun. At those
times it is winter.**



Earth's orbit is not a circle. Sometimes Earth is closer to the sun, and sometimes it is farther away.

Let's look at the season using this website.

Just click on the icon.

