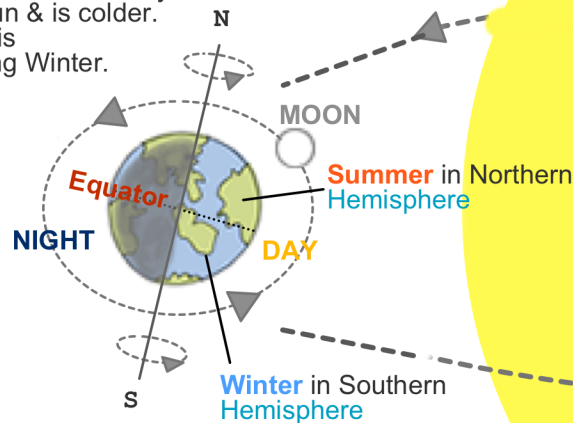


Orbits, Spin & Seasons

SUMMER & WINTER

When the Earth's North Pole is tilted towards the Sun the North is warmer because it is closer to the Sun. The North is experiencing Summer. The South is further away from the Sun & is colder. The South is experiencing Winter.

EARTH spins on an Axis tilted at 23.5 degrees to the Sun. It takes 1 day to complete 1 full spin



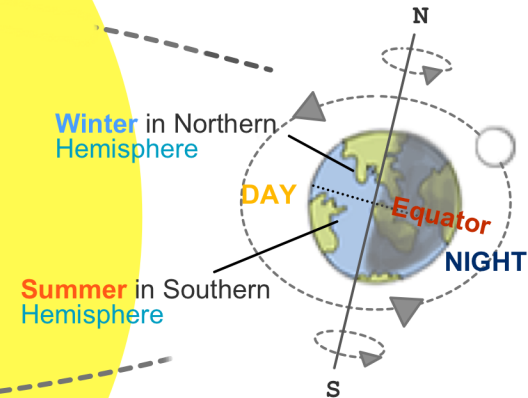
THE SUN

The relative size of the Sun to the Earth has not been drawn to scale in this diagram. If it was drawn to scale it would not fit on the page.

You can fit 1 million Earths into the Sun.

SUMMER & WINTER

When the Earth's South Pole is tilted towards the Sun the South is warmer because it is closer to the Sun. The South is experiencing Summer. The North is further away from the Sun & is colder. The North is experiencing Winter.



THE MOON orbits the Earth. It takes the Moon 1 Month to orbit the Earth. As the Moon orbits the Earth its force of gravity pulls the seas with it causing the tides.

HEMISPHERE

The Northern Hemisphere is everything on our planet North of the **Equator**

The Southern Hemisphere is everything on our planet South of the **Equator**

DAY

It is Day when the side of the Earth you live on turns to face the Sun.

NIGHT

It is night when the side of the Earth you live has turned away from the Sun

Earth's Orbit of the Sun

It takes the Earth 1 year (365 days) to orbit the Sun

The other 9 Planets in our solar system also orbit the Sun. Each planet takes a different period of time to complete 1 orbit of the Sun

EQUATOR

The Equator is the middle of the Earth & is always the same distance from the Sun regardless of the Earth's tilt. The equator does not experience seasons. It remains about the same temperature all year round.