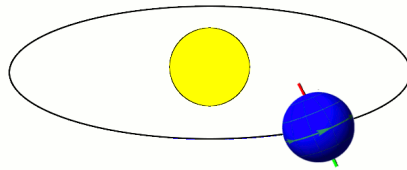


Earth

- The Earth revolves around the sun, which means it travels in a loop around the sun know as an **orbit**.



- revolves counter-clockwise



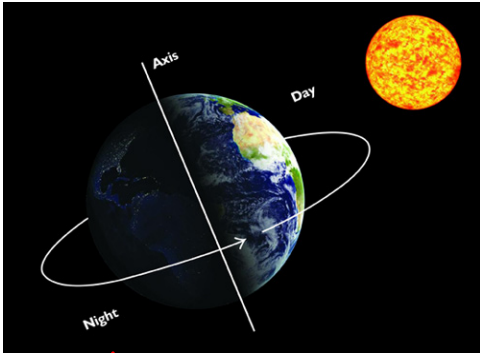
- As Earth revolves around the sun it is also spinning on a tilted axis
- An axis is an imaginary line from the north pole to the south pole



Recall

Revolve - means to move an object around an other object

Rotate - means to spin

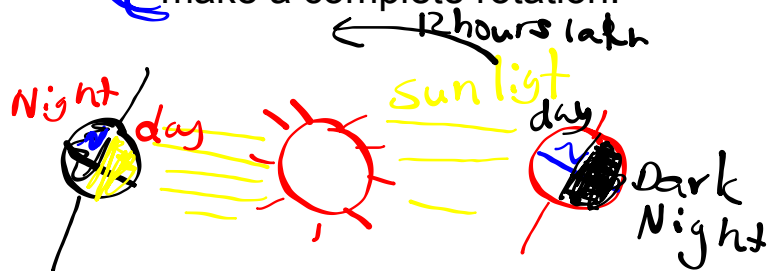


Rotating on axis makes Earth's night and day.

- As the earth spins on its axis only half of the earth is facing the sun at a particular time. This is when we have daylight. The back half is dark which is night.

Rotating on the Tilted axis Causes day and night

- It takes Earth 24 hours (1 day) to make a complete rotation.



Comparing Planets to Earth

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Distance from sun	58 million Km	108 million Km	150 million Km	228 million Km	778 million Km	1427 million Km	2870 million Km	4497 million Km
Orbital period	88 days	224 days	365 days	687 days	11.9 years	25.5 years	84 years	165 years
Rotation Day\Night direction	59 days ↻	243 days ↻	24 Hours ↻	24 Hr 39 min ↻	9 Hr 50 min ↻	10 Hr 39 min ↻	17 Hr 18 min ↻	15 Hr 40 min ↻