

By: Marissa R.

# EARTH, SUN AND MOON



# Vocabulary Words



- ❑ Axis: A real or imaginary line that a spinning object turns around.
- ❑ Rotate: to spin around
- ❑ Revolve: To move in a circular or nearly circular path around something else.
- ❑ Orbit: The path an object follows as it revolves
- ❑ Crater: A hollow area or pit in the ground.

# Did You Know This About Earth...

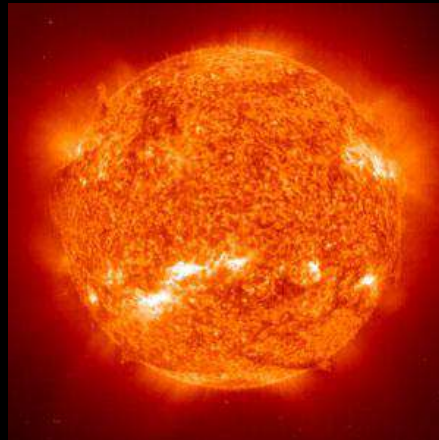


- ❑ There is an imaginary line from the North Pole to the South Pole, this is called Earth's **axis**.
- ❑ An **axis** is a real or imaginary line that a spinning object turns around.
- ❑ Earth doesn't only spin on its **axis**, it also **revolves**.
- ❑ Earth moves around the sun. As Earth moves around the sun it spins or rotates.
- ❑ You can't feel Earth **rotate**.
- ❑ Earth's trip around the Sun takes about one year. As Earth travels on this journey it moves in a **orbit**.



# Sun Facts: How Seasons Are Made

- In June the North Pole tilts toward the Sun. The Sun's rays strike the northern half of Earth at steep angles. It is summer there.
- In December the North Pole tilts away from the Sun. The Sun's rays strike the northern half of Earth at low angles. It is winter there
- These are how seasons are made.



# Wow! Look At These Cool Facts About the Moon...

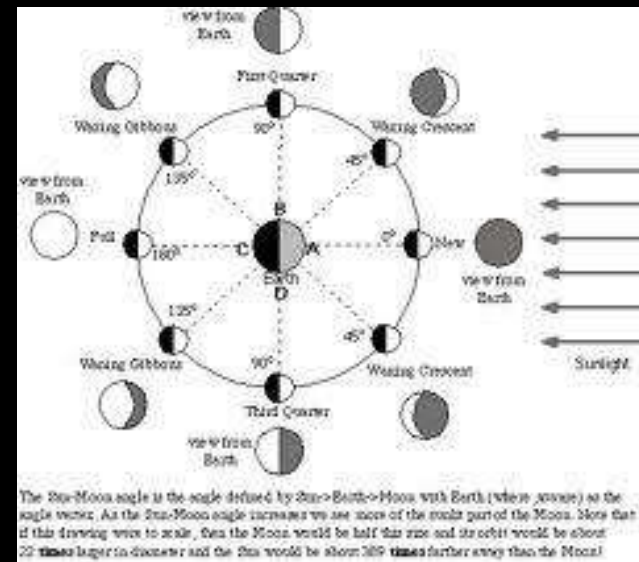
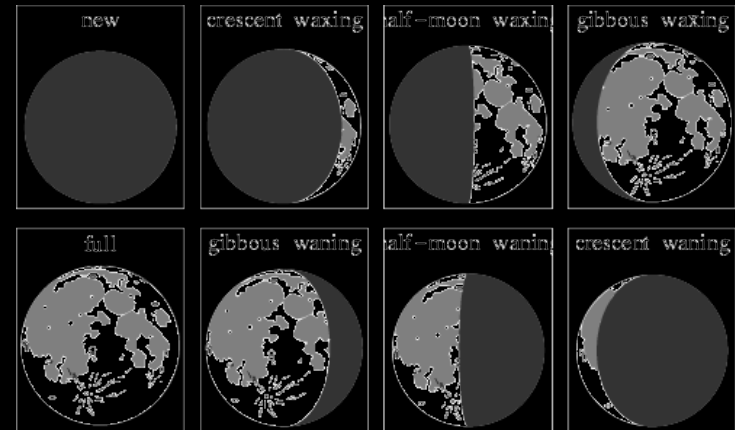


- ❑ The Moon is the biggest and brightest object in the night sky, but really the Moon is actually smaller than the stars and planets.
- ❑ The Moon looks so big and bright because it is Earth's closest neighbor in space.
- ❑ The Moon is dusty and lifeless, there is no air or liquid water. The Moon has mountains, large flat plains and a huge amount of **craters**.

# Different Appearances Of The Moon



The Moon changes shape and size because the Moon orbits around Earth. As the Moon orbits around Earth we can see more and more of the Moon's lit side. There are different phases of the moon. This means the different appearances of the Moon. These are the order of the appearances of the Moon. First comes the New Moon, the Waxing Crescent Moon, the First Quarter Moon, the Waxing Gibbous Moon, the Full Moon, the Waning Gibbous Moon, the Last Quarter Moon, and the Waning Crescent Moon.



The Sun-Moon angle is the angle defined by Sun-Earth-Moon with Earth (where possible) as the angle vertex. As the Sun-Moon angle increases we see more of the right part of the Moon. Note that if this drawing were to scale, then the Moon would be half this size and its orbit would be about 22 times larger in diameter and the Sun would be about 389 times farther away than the Moon!

“How did you know”, I said in a wondering kind of voice?

## Links to Visit!



[http://kids.nationalgeographic.com/kids/photos/sun/#/sun-storm-2007\\_15565\\_600x450.jpg](http://kids.nationalgeographic.com/kids/photos/sun/#/sun-storm-2007_15565_600x450.jpg)

See some amazing pictures of the Sun and some facts about the pictures in this link above.

<http://www.childrensuniversity.manchester.ac.uk/interactives/science/earthandbeyond/dayandnight.asp>

In this link above learn about how the movement of Earth makes day and night.

<http://www.kidseclipse.com/pages/a1b3c2d0.htm>

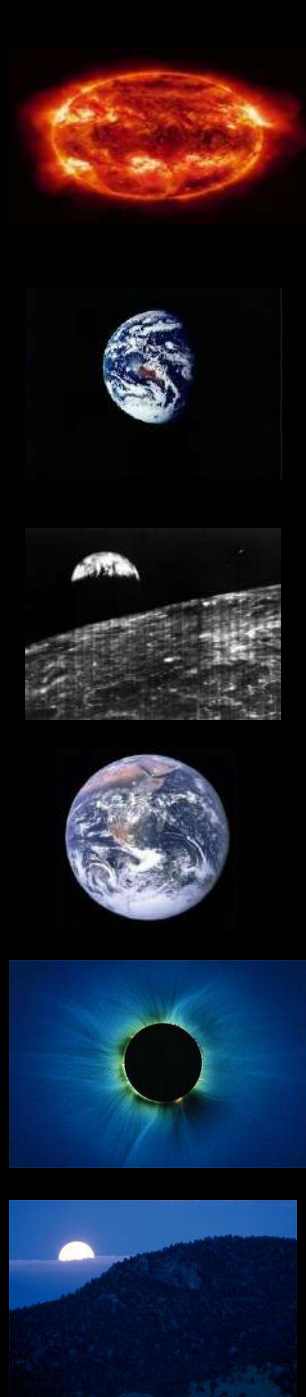
Learn about what an eclipse is in this link above.

<http://www.childrensuniversity.manchester.ac.uk/interactives/science/earthandbeyond/phases.asp>

Click on this link above to learn about the Moon Phases.

<http://www.childrensuniversity.manchester.ac.uk/interactives/science/earthandbeyond/sunmoonearth.asp>

Click on this link above to learn about how the Earth and Moon **orbit** the Sun.







Thanks For Watching!!!!

Some of this information was from the Science Book  
so make sure to study and learn all about the Moon,  
Earth and Sun!

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Make sure to visit the links!

