



Mercury

Venus

Earth

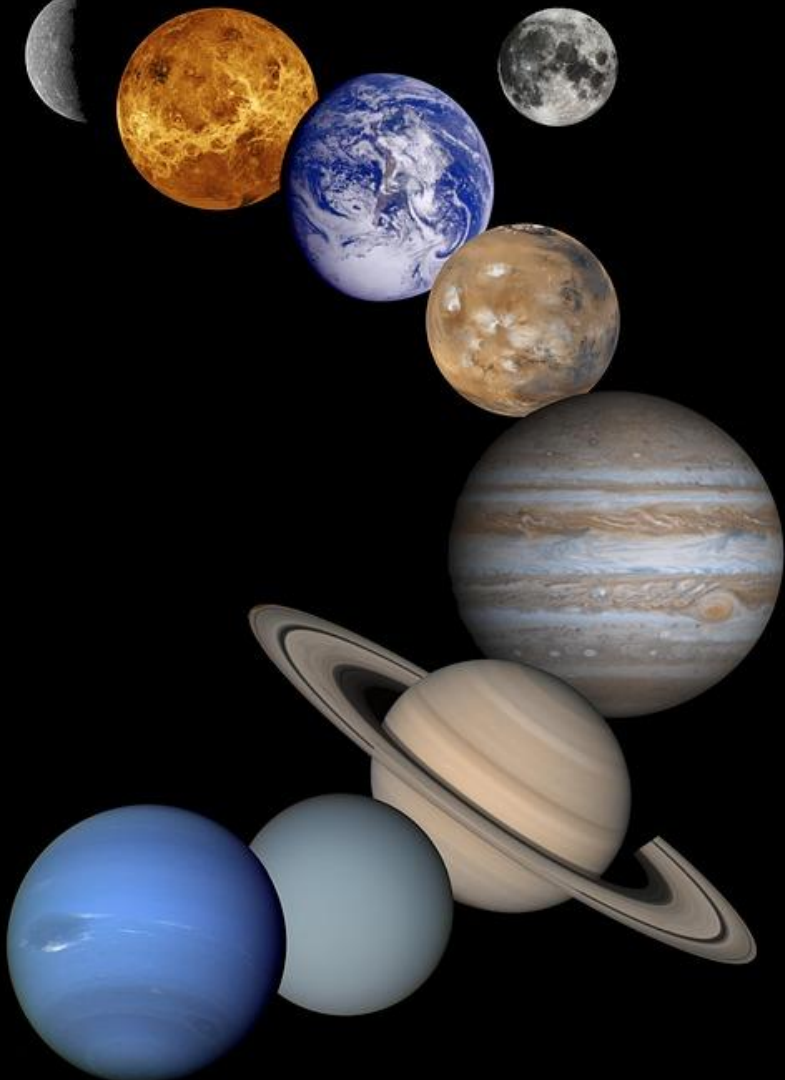
# Earth in the Solar System

Saturn

Uranus

Neptune





**On Earth we live in a system called the SOLAR SYSTEM.**

## **EARTH**

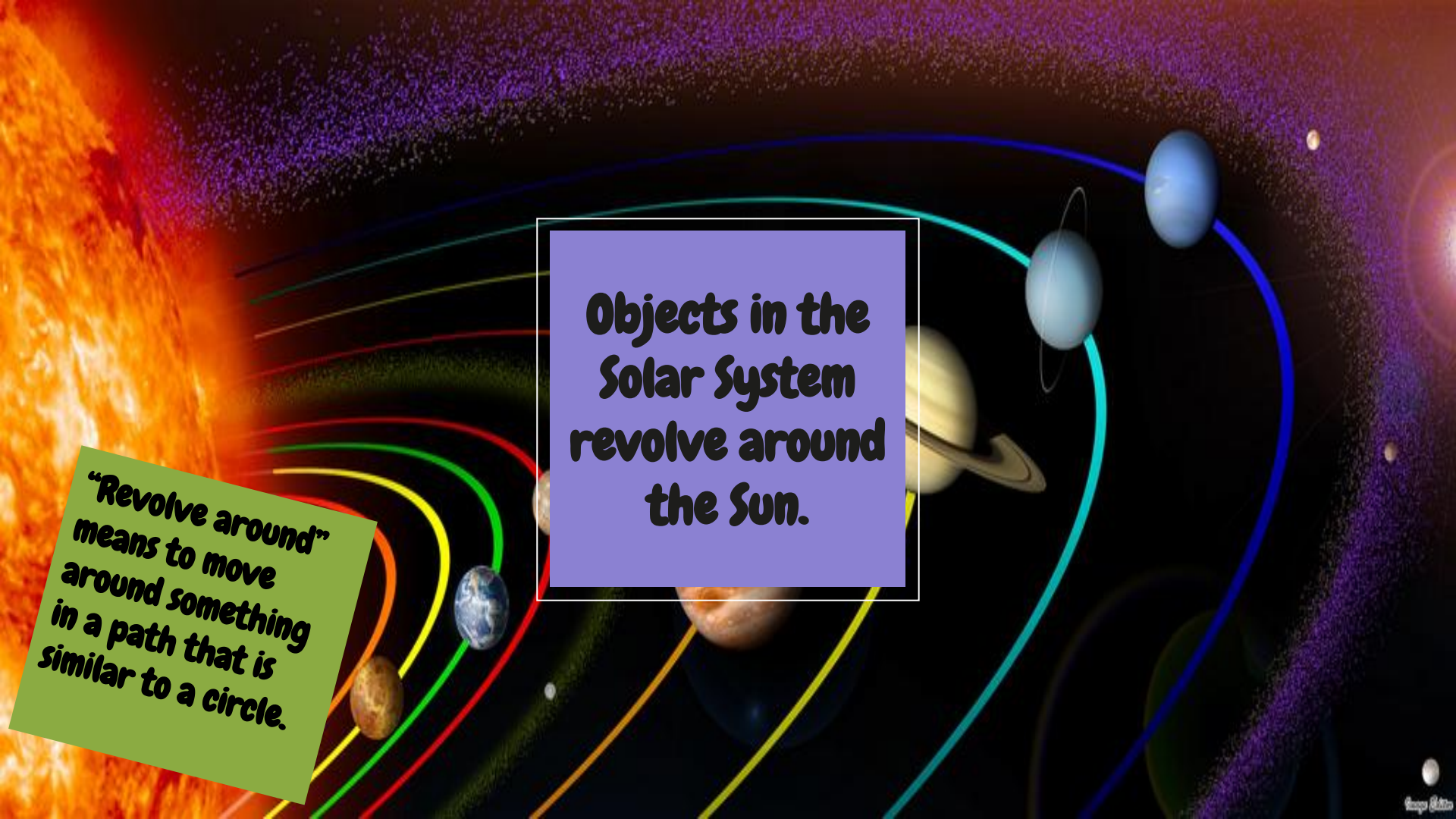
- The Planet on which we live.
- The third Planet from the Sun.

## **SYSTEM**

- A group of related parts that move or work together.

## **SOLAR SYSTEM**

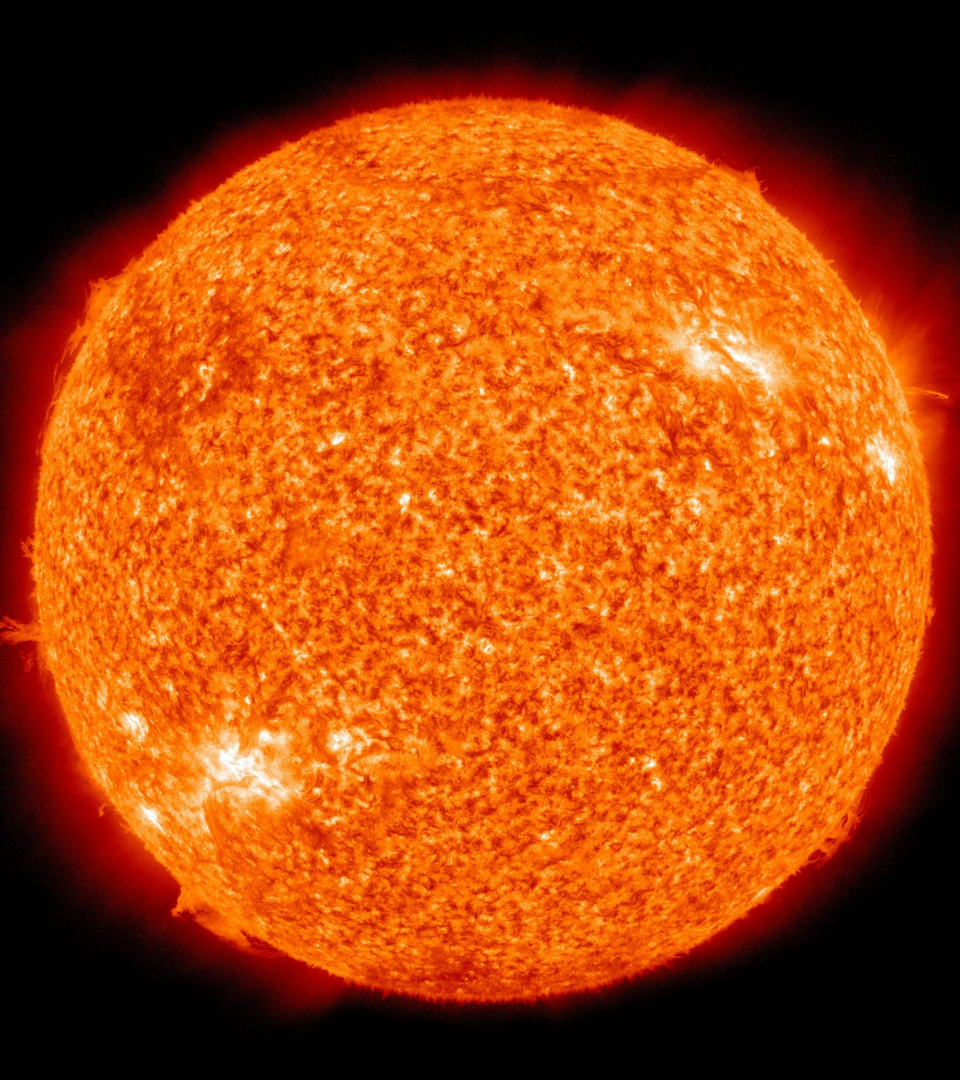
- A system that includes one star (the Sun), many moons, eight planets including Earth, and other objects (meteors, comets, asteroids, etc.)



**Objects in the  
Solar System  
revolve around  
the Sun.**

***“Revolve around”  
means to move  
around something  
in a path that is  
similar to a circle.***

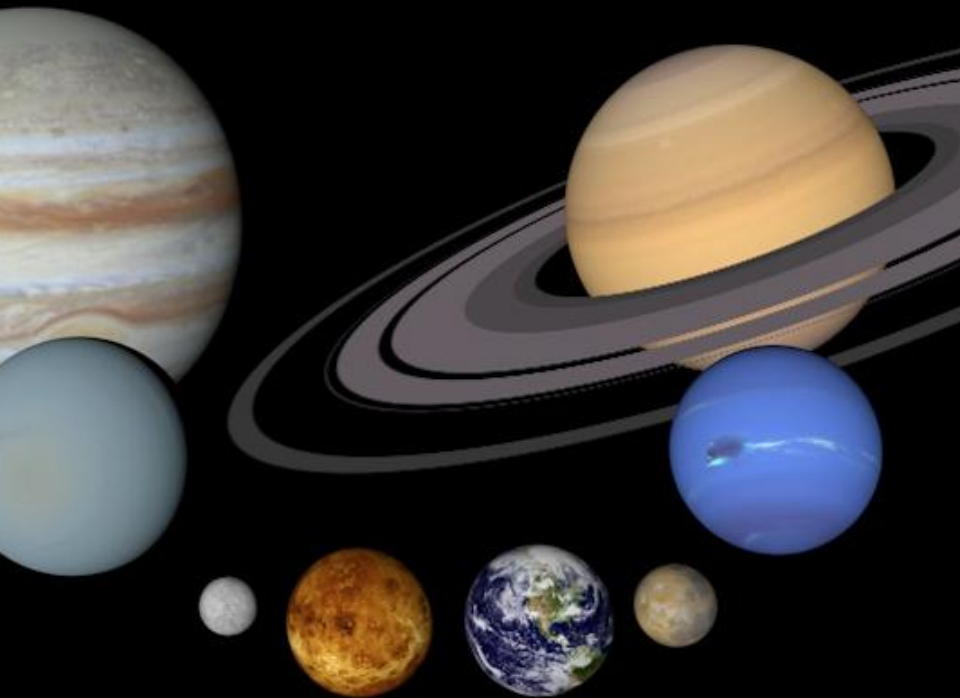




# SUN

- **The objects in the Solar System revolve around the Sun.**
- **The Sun is one of the stars visible from Earth.**
- **The Sun appears to move in a consistent pattern across the sky.**
- **Shadows are created by objects that block light from the Sun.**

# Planets



- A planet is a large round object in space that revolves around a star, such as the Sun.
- There are eight planets in the Solar System including Earth.





# Earth

- **Earth is the third Planet from the Sun,**
- **Earth has one moon which is part of the Solar System.**
- **Earth revolves around the Sun and rotates on its axis.**
- **Earth revolves around the Sun in a consistent pattern.**
- **As the Earth rotates, shadows are created by objects that block light from the Sun.**
- **The length and direction of shadows on Earth change as the Sun changes its apparent position in the sky during the day (or as Earth rotates).**



# Moon(s)

- Earth has one moon which is part of the Solar System.
- Earth's moon appears to move in a constant pattern across the sky.
- The Solar System has many moons.



# Stars

- The Solar System includes one star (the Sun).
- The Sun (a star) is visible from Earth.
- Groups of stars are called constellations.
- From Earth, groups of stars (constellations) appear to move in consistent patterns across the sky.







## Objects in the Solar System

- **The Solar System includes other objects such as *meteors, comets, asteroids.***
- **Objects in the Solar System revolve around the Sun.**

Earth revolves  
around the Sun  
and rotates on  
its axis.

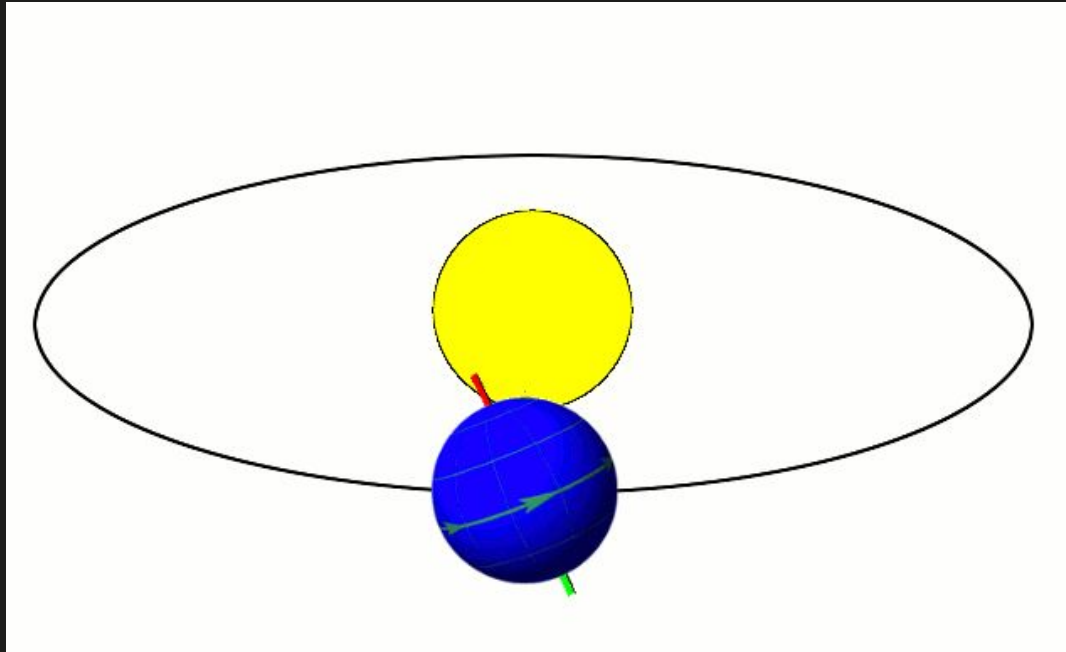
Earth revolves around the Sun.  
Earth rotates on its axis.

## Revolves

*To move  
around  
something in  
a path that  
is similar to  
a circle.*

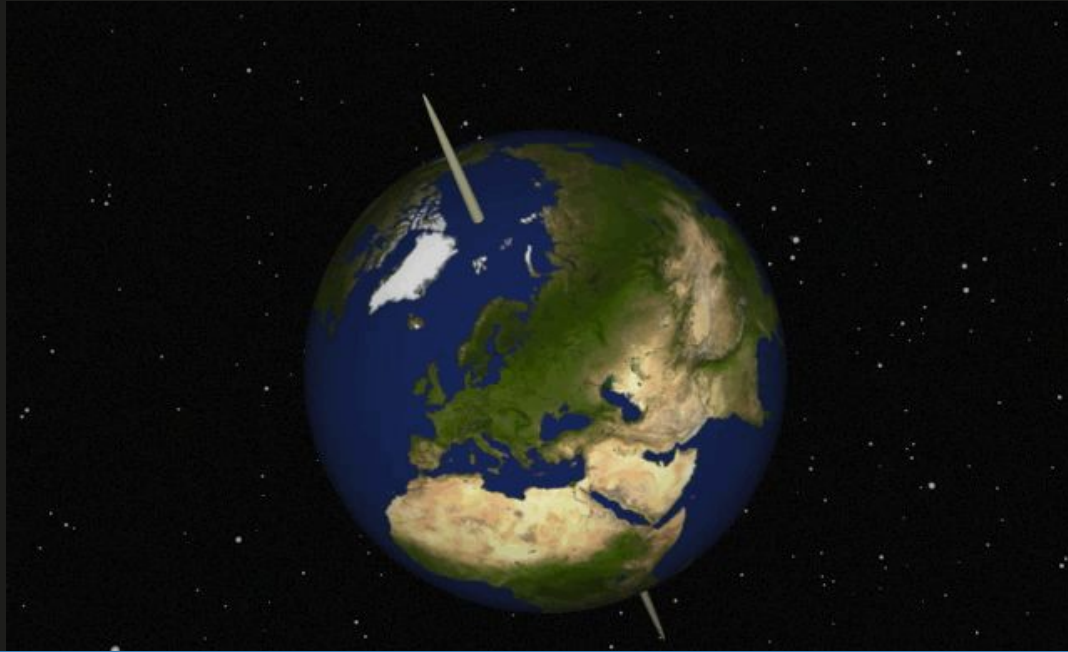
## Rotates

*To move or  
turn in a  
circle.*



**Earth revolves around the Sun in a consistent pattern.**





**Earth rotates on its axis.**



# Shadows

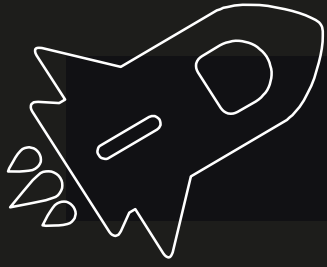
- **As the Earth rotates, shadows are created by objects that block light from the Sun.**
- **The length and direction of shadows on Earth change as the Sun changes its apparent position in the sky during the day (or as Earth rotates).**

# KEY CONCEPTS:

- On Earth we live in a system called the Solar System.
- The Sun is one of the stars visible from Earth
- Earth has one moon which is part of the Solar System.
- Earth revolves around the Sun and rotates on its axis.







## Discussion Questions:

1. What are the major parts of our Solar System?
2. What patterns of movement can be found in the Solar System?
3. How are shadows created?
4. What causes a shadow to change?