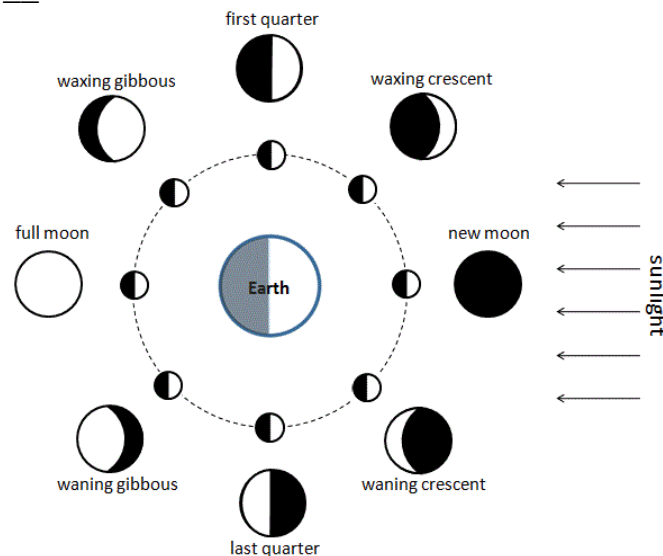


Solar System Study Guide

1. What causes the seasons?
2. What is a revolution?
3. Which object in our Solar System is no longer considered a planet?
4. When the Moon appears to change shape, what are the shapes called?
5. What did Project Apollo do?
6. Why is the Earth special?
7. What is the difference between a waxing and waning moon?
8. The inner rocky planets are:
9. The gaseous outer planets are:
10. Draw the phases of the moon in order.

1. The revolution of the Earth and the tilt of the Earth on its axis
2. When the Earth makes one full orbit around the Sun (365 days), or the Moon makes one orbit around the Earth (28 days)
3. Pluto
4. Phases
5. It landed people on the moon (Apollo 11) and allowed them to understand it more (Neil Armstrong, Michael Collins, Buzz Aldrin)
6. It has an atmosphere and water that supports life
7. The waxing moon is getting larger (toward the full moon) and the waning moon is getting smaller (toward the new moon)
8. Mercury, Venus, Earth, Mars
9. Jupiter, Saturn, Uranus, Neptune
10. ___



- | | |
|---|---|
| 11. What is the mnemonic device used to help students remember the order of the planets? | 11. My Very Excellent Mother Just Served Us Nachos |
| 12. What do we call the average-sized, yellow star that is about 110 times the diameter of Earth? | 12. The Sun |
| 13. What instrument can we use to observe distant objects? | 13. Telescope |
| 14. What is Earth's axis? | 14. The imaginary line that the Earth rotates around |
| 15. What is our Solar System made up of? | 15. The Sun, eight planets and their moons, and other objects |
| 16. How does the Earth move around its axis? | 16. It rotates |
| 17. What do we call a space machine sent up to orbit the Earth to explore and take pictures | 17. Satellite |

Other Interesting Facts (Not Tested)

The **Heliocentric Theory** states the Sun was the Center of the Universe.

The **Geocentric Theory** states the Earth was the Center of the Universe.

Ptomlemy and Aristotle believed the **Geocentric Theory**.

Copernicus and Galileo believed the **Heliocentric Theory**.

Galileo invented the first practical telescope.

Isaac Newton discovered **gravity**.

The Sun's **gravity** is what causes the planet to orbit.