Astronomy pretest

# Name

**Draw a model of the Earth-sun-moon system to describe lunar phases.**

* New moon
* Full moon
* Waxing Crescent
* Waning Crescent
* Waxing Gibbous
* Waning Gibbous
* First Quarter
* Last Quarter

**Draw a model of the Earth-sun-moon system to describe solar and lunar eclipses.**

**Draw a model of the Earth-sun-moon system to describe of the seasons.**

Include the Earth’s axis, the sun, the orbit path, and each of the 4 positions showing the seasons.

1. How long does it take a planet to rotate once on its axis?
2. day b. week c. month d. year
3. About how long does the moon take to orbit the Earth?
4. day b. week c. month d. year
5. Which direction does the Earth rotate and revolve?
6. clockwise b. counter clockwise c. it doesn’t move, all things go around it
7. When the moon is in either new moon or full moon, what kind if tide do we experience?
8. When the moon is in either first quarter or last quarter, what kind of tide do we experience?

**MS-PS2-4. What is the relationship between the gravitational pull of an object and its mass? Explain giving an example to demonstrate your point.**

**MS-ESS1-2. Draw a model to describe why planets orbit the sun and not just fly away or crash into the sun? What is the role of gravity?**

What have you always wondered about space? Come up with 3 topics/questions that you have. What would you like to learn about?