

Voc list #12 Astronomy part 1 – 2016

1. **Inertia**- the tendency of an object to resist a change in motion. **Newton's first law of motion** states: an object at rest will stay at rest and an object in motion will stay in motion with a constant speed and direction unless acted on by a force. Newton is talking about inertia in this law.
2. **Gravity**- a force that moves rocks and other materials downhill; the force that pulls objects toward each other.
3. **law of universal gravitation**- the scientific laws that states that every object in the universe attracts every other object.
4. **Axis**- the imaginary line that passes through Earth's center and the North and South poles, around which Earth rotates
5. **ellipse**-an oval shape, which may be elongated or nearly circular. *The Earth's yearlong orbit around the Sun is in an elliptical shape.*
6. **equator**- imaginary line that wraps around Earth at 0° latitude, half way between the north and south poles.
7. **equinox**- the two days of the year on which neither hemisphere is tilted toward or away from the sun. *When the Sun is directly over the equator daylight and night hours are equal worldwide.* (Vernal or Spring Equinox: March 20, 21, or 22) and (Autumnal or Fall Equinox: September 20, 21, or 22).
8. **orbit**- a curved path followed by a satellite as it revolves around an object.
9. **revolution**- the movement of an object around another object. (the Earth revolves around the Sun. The moon revolves around the Earth) *Revolution takes 1 year.*
10. **rotation**- the spinning motion of a planet on its axis. The Earth's rotation takes 23h 56 minutes or one day. The Earth rotates on its axis.
11. **Moon**- a natural satellite that revolves around a planet.
12. **Satellite**- an object that revolves around another object in space. There are natural and manmade satellites.