**Unit 8 Vocabulary**

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| ***Word*** | ***Definition*** | ***Picture/Example*** |
| **Rotation** |  |  |
| **Revolution** |  |  |
| **Orbit** |  |  |
| **Day** |  |  |
| **Year** |  |  |
| **Moon Phases** | Caused by the changing positions of the Earth, Sun, and Moon. |  |
| **First Quarter** | About one week after a new moon, when right half of the moon is illuminated by the sun. |  |
| **Full Moon** | The entire half of the moon facing the Earth is illuminated by the sun. The earth is between the moon and the sun. |  |
| **New Moon** | The entire half of the moon facing the Earth is unlit by the sun. The moon is between the Earth and the sun. |  |
| **Third Quarter Moon** | When half of the left side of the moon is lit. |  |
| **High tide** | The tide is its highest level |  |
| **Low Tide** | The tide is at its lowest level |  |
| **Spring Tide** |  |  |
| **Neap Tide** |  |  |
| **Tilt of the Earth** | 23.5 degrees. Reason for the seasons |  |
| **Solar Eclipse** | The passing of the moon between Earth and the sun; during a solar eclipse, the shadow of the moon falls on the Earth. |  |
| **Lunar Eclipse** | The passing of the moon through the Earth’s shadow at full moon |  |
| **Earth’s Axis** | Imaginary line on which the Earth Spins. Tilted 23.5 degrees |  |
| **Heliocentric** |  |  |
| **Geocentric** |  |  |
| **Solar System** | The sun and the planets orbiting the sun |  |
| **Universe** | All the seen and unseen material in space |  |
| **Galaxy** | Large groups of stars, dust, and gas |  |
| **Big Bang Theory** |  |  |
| **Milky Way Galaxy** | The galaxy in which our solar system is located, spiral galaxy |  |
| **Terrestrial Planets** |  |  |
| **“Gas Giants”** |  |  |
| **Comet** |  |  |
| **Meteor** |  |  |
| **Meteoroid** |  |  |
| **Asteroid** |  |  |
| **Asteroid Belt** |  |  |
| **Gravity** | Force that holds the planets in orbit. The force that holds the universe together. |  |
| **Inertia** | The tendency of objects to stay in motion once they are already in motion unless acted on by another force. |  |
| **AC: Fission Theory** |  |  |
| **AC: Colliding Planetesimals Theory** |  |  |
| **AC: Ejected Ring Theory** |  |  |
| **AC: SETI** |  |  |