Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent Initials: \_\_\_\_\_\_\_\_\_\_

Vocabulary:

* Lunar Cycle
* Orbits
* Solar Eclipse
* Lunar Eclipse
* Waxing Crescent
* Waxing Gibbous
* Waning Crescent
* Waning Gibbous
* Quarter
* Hemisphere
* Solar eclipse
* Lunar Eclipse
* Ocean Tides
* High Tide
* Low tide
* Gravity
* Spring Tide
* Neap Tide
* Rotation
* Revolution
* Orbit
* Tilt
* Axis
* Hemisphere

**Unit 5- Seasons, Lunar Cycle and Tides**

1. **Lunar Cycle**

You should be able to:

* Name each phase of the lunar cycle
* Predict the next phases of a lunar cycle given a random starting point
* Explain the difference between rotation and revolution
* Explain what causes the moon to orbit Earth

1. **Tides**

You should be able to:

* Know that the moons gravitational pull causes tides to occur
* Know during which lunar phases spring tides occur
* Know during which lunar phases neap tides occur

1. **Drawing**

You should be able to:

* Sketch the Lunar Cycle

1. **Seasons**

You should be able to:

* Name each season and the date they begin on
* Understand that seasons in the southern hemisphere are opposite

to those in the northern hemisphere

* Understand that summer is caused by the direct solar energy the earth receives
* Understand that winter is caused by the indirect solar energy the earth receives