Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Due Date\_1/15/16\_\_

**Sun/Moon/Tides Chart Data Analysis Essay**

You will use the data in your sun/moon/tides chart to write a 3-paragraph essay/reflection on what you learned. Make sure all of your moons are drawn in the chart. You will complete your essay on notebook paper and staple your chart to it. \*\*\*\*Remember**: a paragraph is at least 5 sentences long**. This assignment will be graded as a major assessment with the chart worth 50% and the essay worth 50% of the grade so please do a high quality job!! **You will work on this in class but if you do not finish it must be finished for homework.**

You must include the following information in each paragraph:

**Paragraph 1 (at least 5 sentences)**

* Sunrise and sunset – is it the same time each day?
* Is there a pattern?
* Why are these the times on the chart?
* What are your general observations? What do you notice?

**Paragraph 2 (at least 5 sentences)**

* Moonrise and moonset- is it at the same time each day?
* Is there a pattern?
* Why is the moon rising and setting at these times or in this pattern?
* What are your general observations? What else did you notice?

**Paragraph 3 (at least 5 sentences)**

* Tides- is there a pattern to when we have high tides and low tides?
* About how much time is there between high tides? Low tides?
* How much time is between high and low tides?
* What is the # of tides in a 24 hour period?
* What are your general observations? What else do you notice by studying the chart?