

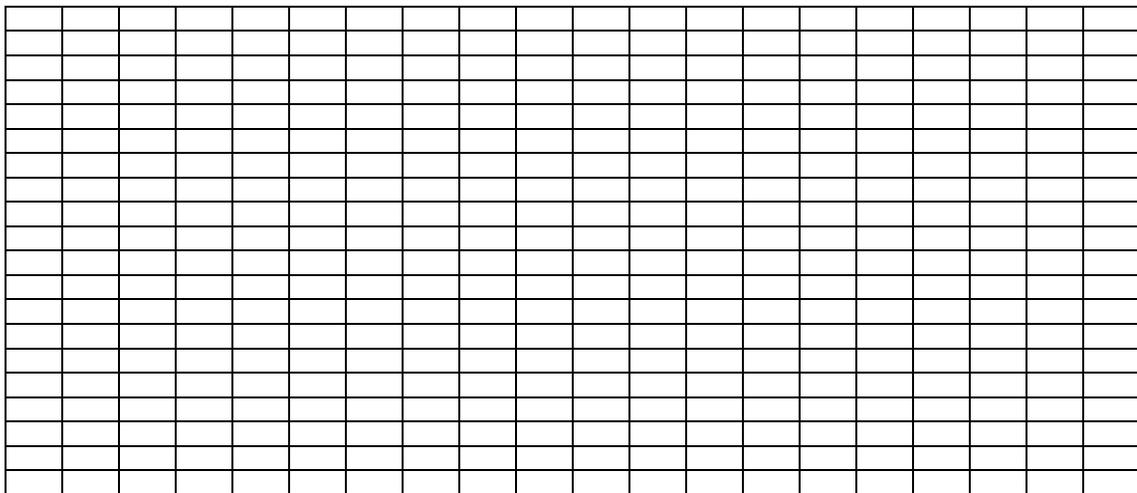
Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Period: \_\_\_\_\_

Data Analysis – Moon Phases & The Tides

Go to the internet and collect the following data

Date in October 2015	Moon Phase	Height of high tide at Old Saybrook CT	Height of low tide at Old Saybrook CT	Difference between high and low tide
	New			
	1 <sup>st</sup> Quarter			
	Full			
	3 <sup>rd</sup> Quarter			
	New			

Graph date vs. difference in tide height (Draw an appropriate moon diagram above line on graph)



Answer Analysis Questions on Other Side

Analysis:

Complete this chart:

Type of Tide	Description	Moon Phase	Date in October 2015
Spring			
Neap			

1. Use data collected during this activity to support your choice of date for the Spring Tide.

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2. Do the same for your choice of date for neap tides.

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3. From what you know of gravity state a hypothesis which might explain why spring tides have the biggest differences between high and low tides.

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4. Diagram your hypothesis for Spring tides below.