

Virtual Lab #1 - Pg. 578

Ocean Motion (Tides)

Name _____

How are tides affected by phases of the moon?

Question 1: What is the name of the location where you are taking tide measurements? What was the highest tide at that location, and during which phase of the moon did it occur?

Question 2: During which two phases of the moon do neap tides occur? Explain your answer using the data from your graph and the positions of Earth, the moon, and the sun.

Question 3: During which two phases of the moon do spring tides occur? Explain your answer using the data from your graph and the positions of Earth, the moon, and the sun.

Question 4: During which of those two phases does the greater spring tide occur? Why do you think the range between high tide and low tide is greater in this phase?

Question 5: About how many hours occur between high tides? Explain.



How are tides affected by phases of the moon?

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	Lowest Tide		Highest Tide		DATE
	1 st	2 nd	1 st	2 nd	
CHANGE → New Moon TIME →					
First Quarter					
Full Moon					
Last Quarter					

Harbor _____