## PLEASE SUBMIT YOUR WORK THROUGH GOOGLE CLASSROOM

1	What	ic	tidal	range?
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2. What is the reason behind the large tidal range of a Spring Tide?

3. North Shore of Long Island has <u>semi-diurnal tides</u>. If a *low water* occurs at 9am sharp, when is the *next high water*?

4. \*(OPTIONAL) The Moon is the dominant force in creating the Earth's tides. The Sun also plays a noticeable role. Which other celestial body has the next biggest (although very small ) effect on Earth's tides? Hint: consider Venus, Mars and Jupiter, their masses, and distances from the Earth. Use Slide #3 of Lecture 18 as a guide.