

4. What time (approximate) would the first high tide of 2014 be?

Highly Proficient Opportunity - also see rubric

5. At what 2 points in December 2013 are the neap tides. Explain why you think these happen at these points. Think about the positions of the Earth, Sun and Moon. Use gravity in your explanation. Draw a diagram of the phases when these occur.

Earth in Space: develop and use a model of the patterns in the Earth - Sun - Moon system.

Highly Proficient (4)	Proficient (3)	Close to Proficient (2)	Developing (1)
Proficient, plus: <input type="checkbox"/> all answers have evidence and detail. <input type="checkbox"/> graphs represent the data at a high level. <input type="checkbox"/> neap tides are explained using gravity. <input type="checkbox"/> diagram is complete and correct.	<input type="checkbox"/> analysis questions are complete and show thought. <input type="checkbox"/> Graphs are complete, labeled and mostly correct.	<input type="checkbox"/> Some questions are answered <input type="checkbox"/> graphs are attempted.	<input type="checkbox"/> no graphs <input type="checkbox"/> questions are mostly incomplete.