

What Causes Tides?

Online Lecture Homework

Earth Science



What Causes Tides?

Watch the following video. Take notes on what causes the tides, and explain when a given area experiences high tide, low tide, spring tide, and neap tide.



<https://tinyurl.com/tidesexplained>

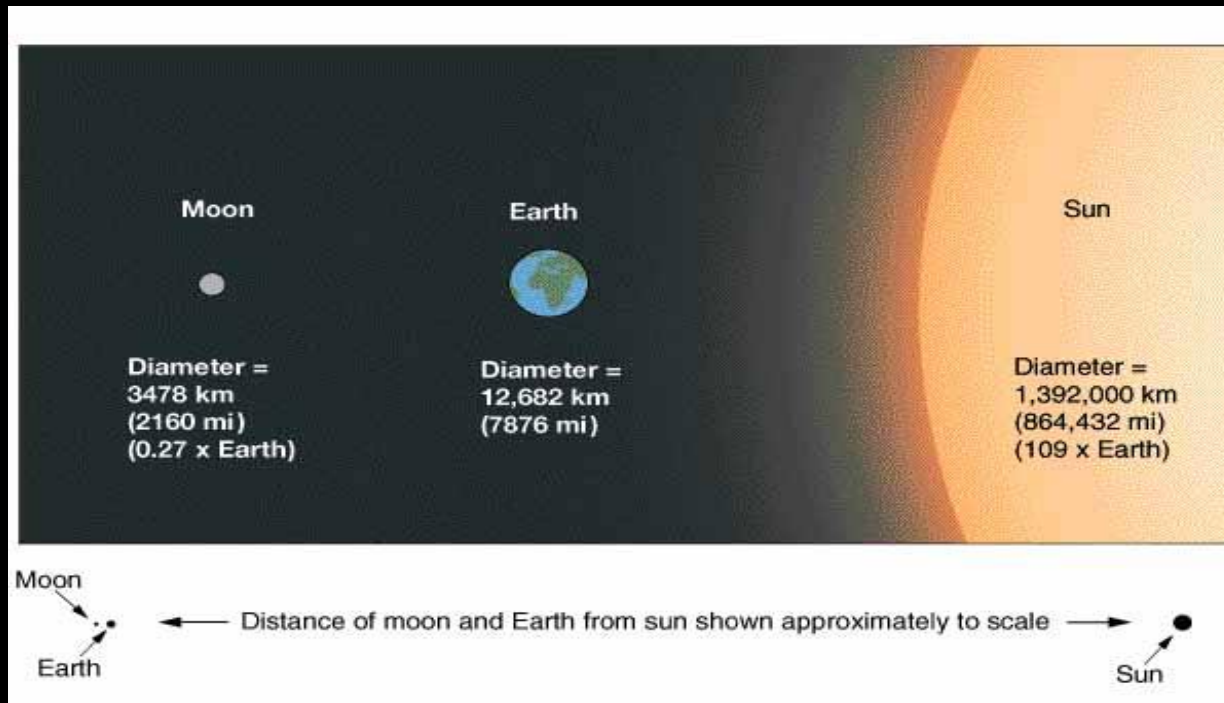
Understand?

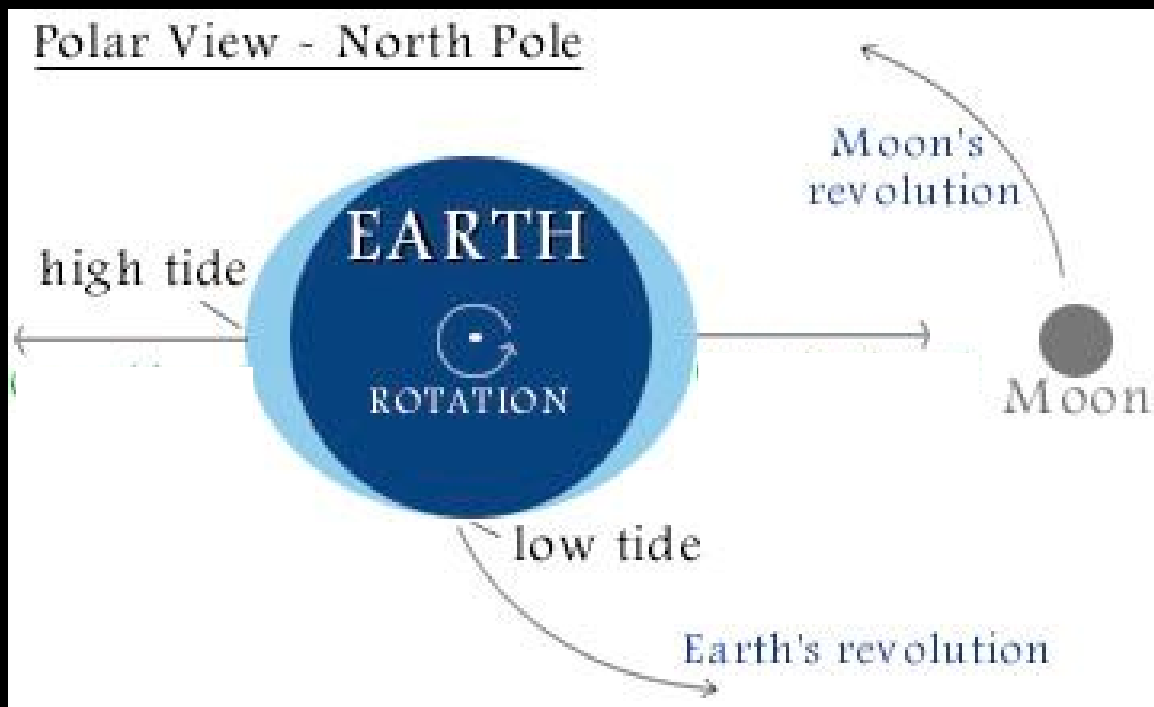
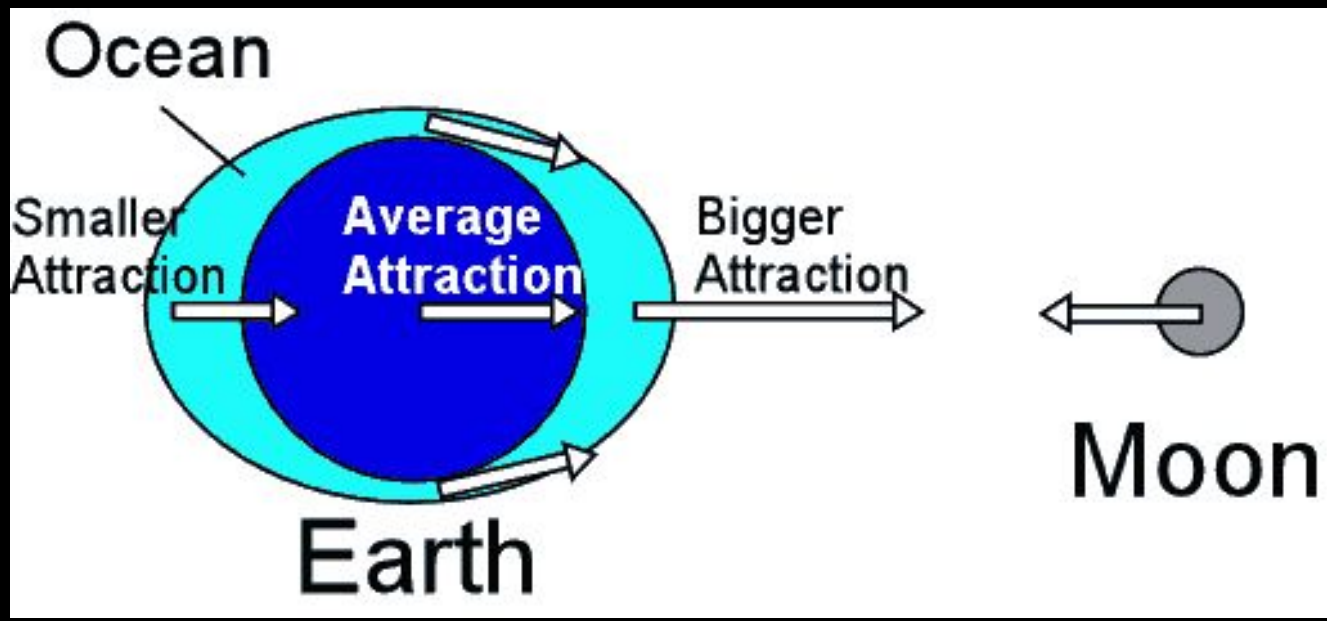
The following slides provide a few simple definitions and images to help you understand tides. Review the video and slides until you feel confident that you understand the information.

As you review the information, write down any questions you have or things you do not understand and be sure to ask during class tomorrow.

Tides: are daily changes in the elevation (height) of the ocean surface.

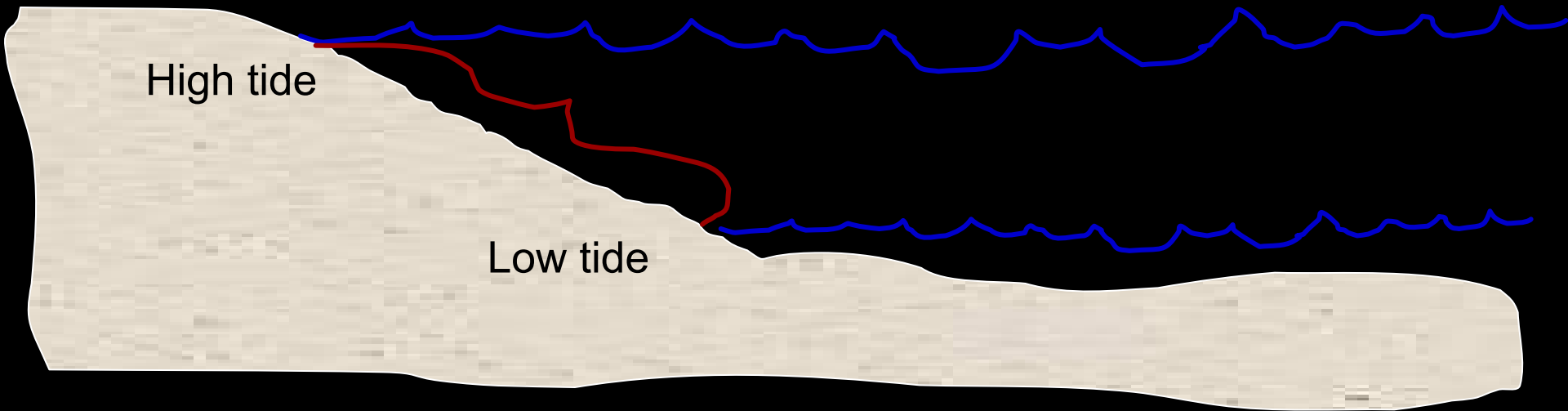
- Ocean tides result from the gravitational pull between the Earth and the moon.





Description of tides

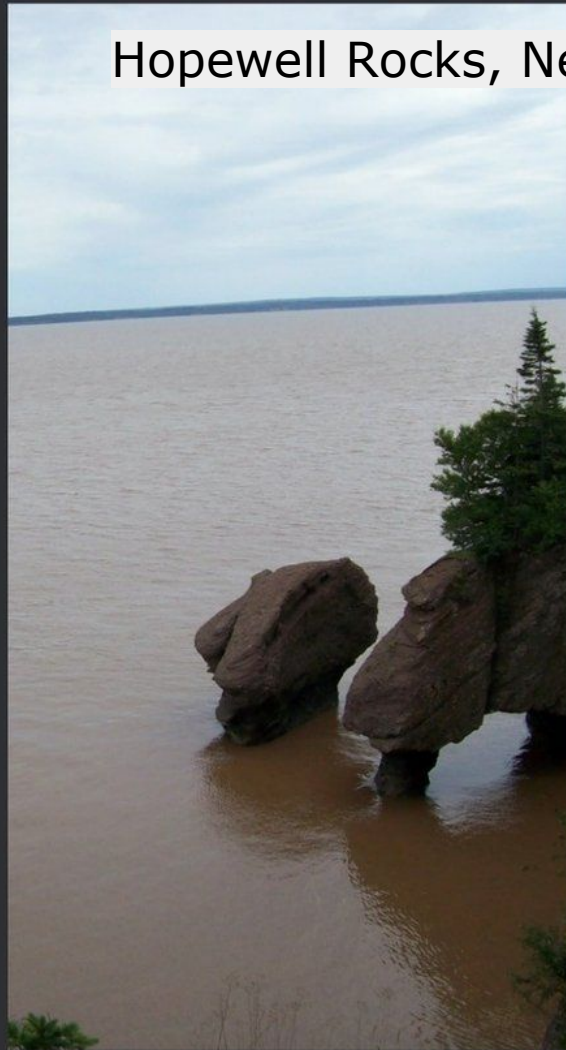
- **High tide:** high water
- **Low tide:** low water



Pictures of High and Low Tide

Hopewell Rocks, New Brunswick (Canada)

High
tide



Low
tide



Homework for Thursday (September 14)

Complete the Astronomy HW assignment
(answer questions 1-9 only)

All students must submit a hard copy of the assignment (no digital submissions). You may access the assignment at the website below (or on our class website) if you did not pick up a copy in class.

<https://tinyurl.com/astronomyhomework>