

Learning Objectives:

- I can identify the different causes to tides and how we got water on earth.

Bellringer Pre-Assessment:

- Why is groundwater so important?
- What are some of the pros and cons to fracking?
Name at least one for each.

Check for Understanding Questions:

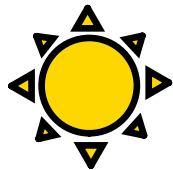
- What are the two main theories of where water came from?
- What causes the tides?
- What configuration would create a really high tide?

How did we even get water on Earth?

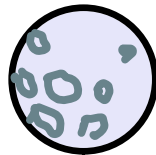
What causes tides?

What causes tides?

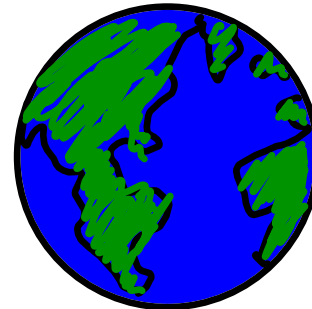
The Holy Trinity of Earth Science ... and Gravity.



The Sun



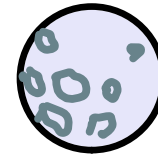
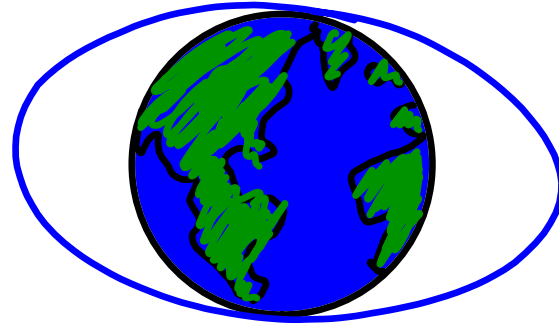
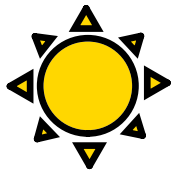
The Moon



The Earth

*Not to scale

Let's look at the different types of Tides!



Check for Understanding Questions:

- Why is groundwater so important?
- What are some of the pros and cons to fracking?
Name at least one for each.

Learning Objectives: Did you accomplish them?

- I can identify the different causes to tides and how we got water on earth.

Self-Evaluation

- How well did you understand the material today?
(1-Lost, 2- understand, 3-can teach it)
- How well did you and your team members participate in class?
(1-didn't do anything, 2-Bare minimum, 3-fully participated)

