

Ocean Tides Hyperdoc

Engage

Have you ever spent time near the ocean? Sometimes you can see the dry sand. Later, waves reach the sand and the beach is slowly covered with water. Why does this happen?

Bay of Fundy Tides



Low Tide



High Tide

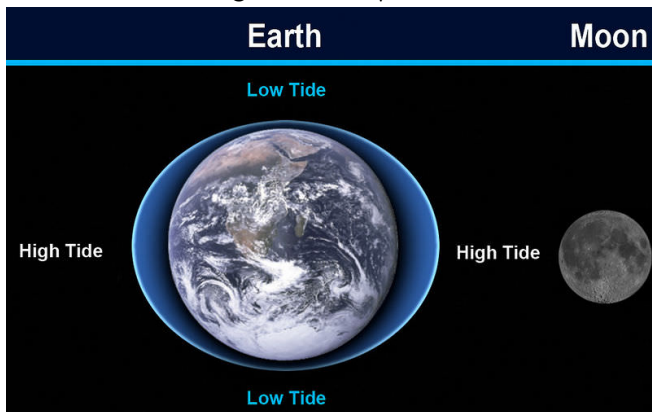
Your Task

Watch this [video](#) and answer the embedded questions about what causes tides.

Explore

WATCH, READ, AND LEARN ABOUT TIDES..

Click the image below to watch an introductory video clip about tides..



Answer the Questions Below

After watching the video, explain why is it when the Moon is over the same spot on Earth only once per day there two high tides per day? Lastly, Describe the causes of spring and neap tides.

- 1.
- 2.

Read this [article](#), and remember to use your cornell note-taking method in your science notebook as you read. When you are finished reading/taking your notes, take the short [quiz](#) about the Earth's tides.

Enter your quiz score here:

Briefly describe what causes tides on Earth.:

Click on the image below to learn about tides.



If you are standing on the shore and it is high tide, what are the two possible locations for the moon relative to where you are?

What is the secondary reason for the tides? Why are these tides weaker than the moon's tides?

Why is it good that the moon is not closer to the Earth?

- 1.
- 2.
- 3.

Click the appropriate link below to read an article on what causes tides.

[¿Qué causa las mareas en el océano? \(SPANISH\)](#)

[What causes tides in the ocean? \(ENGLISH\)](#)

In your own words, explain why tides are not the same height all over the planet?

HEY!

Click on the images below to view some high tide/low tide clipse. It's crazy!



Explain

What roles do the Sun, Moon, and gravity play on the Earth's oceans?

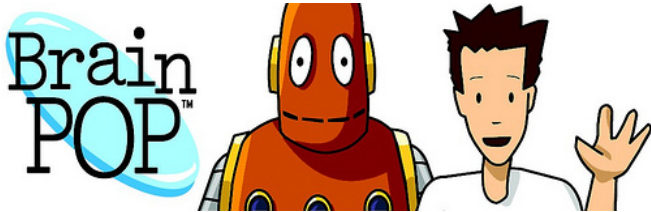
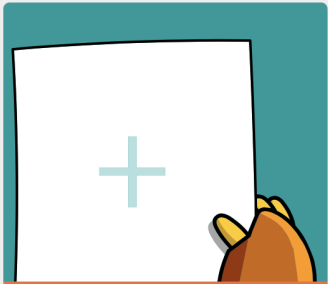
The Earth's tides can have an impact on Human and Marine life. How do tides impact human and oceanic life?

Read the articles below, and describe, **in 3-5 sentences**, how tides impact both marine and human life.

Your Task

Type your response here:

Human:

Marine Life Human Life	Marine:
What question(s) do you still have?	Go to this Padlet to share your answer.
Apply & Share	Your Task
	Using BrainPOP, create a short (2-3 minute) video, answering the following question: “Why does the moon have a greater effect over the Earth’s tides rather than the sun, if the sun is bigger?” *Note: When you go into BrainPOP to make your movie, you will click on “Write New”, and use the question above. Start your movie with a letter  Answer a Letter  Write New Make sure you Include the following vocabulary in your video will be the following: • Tide • Gravity • High Tide • Low Tide You will submit your video to the teacher in BrainPOP.
Extend	Your Task



Visit [Wonderopolis](https://wonderopolis.org/) and find a question or questions about tides that you want to answer.

Describe at least one cool thing you learned in the box below.