

# S1-C: Tides

Name: \_\_\_\_\_

Watch this video ([https://youtu.be/tcGEjzt\\_4is](https://youtu.be/tcGEjzt_4is)). Answer the questions as you go.

Timestamps are provided to help you.

## Questions

1. How many times a day does a place usually experience a high tide and a low tide?  
[0:18]

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2. What object in space is the main cause of tides on Earth? [0:50]

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3. Which force keeps the Earth in orbit around the Sun, and also keeps the Moon in orbit around the Earth? [1:09]

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4. When the Moon pulls on the Earth's water, what happens to the ocean? [01:33]

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5. What is the name of the force that makes the ocean bulge toward the Moon?  
[01:33]

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6. What is the name of the force that makes the ocean bulge toward the Moon?  
[01:33]

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7. Why does the side of the Earth that is facing the Moon have a high tide? [01:55]

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8. What is making the high tides even higher than before? [02:44]

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9. When high tides get higher, what problem can happen in towns and cities near the coast? [2:50]

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