

Name \_\_\_\_\_

## Explaining Why Tides Change Daily



The Moon's gravity pulls on Earth's oceans, creating high and low tides. Because the Moon moves in its orbit and Earth rotates, ocean levels rise and fall at different times each day. The Sun also adds to this effect, making tides stronger or weaker depending on its position.

Answer each question in **2-3 complete sentences**. Use your own words.

1. Why do tides change daily instead of staying the same all the time?

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2. How does Earth's rotation affect when high and low tides happen?

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3. What role does the Moon's orbit play in the timing of tides?

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4. How do the Sun and Moon together influence spring tides?

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5. Why are neap tides weaker than spring tides?

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