

Name _____



Checking Facts About Tides

Tides are the rise and fall of ocean water caused mostly by the Moon's gravity. Some tides are stronger (spring tides), and some are weaker (neap tides). Understanding when these happen helps us see the connection between the Moon and Earth's oceans.

Read each statement carefully. Write **T** if the statement is True, and **F** if the statement is False.

1. Spring tides occur during a full moon.
2. Neap tides happen when the Sun, Earth, and Moon form a straight line.
3. High tide is when the ocean level reaches its lowest point.
4. There are usually two high tides and two low tides each day.
5. Neap tides occur during the first and third quarter moons.
6. Spring tides cause the largest difference between high and low tides.
7. The Sun has no effect on tides, only the Moon does.
8. Low tide is when the ocean level is at its lowest point.
9. Spring tides occur during both full and new moons.
10. Neap tides create the smallest difference between high and low tides.

Reflection Prompt: Which do you think has a bigger impact on your daily life if you lived in a coastal town: high tide or low tide? Explain in 2-3 sentences.
