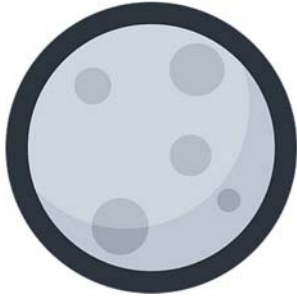


Name _____



Moon Phases and Tides Sequence

The Moon's position with the Earth and Sun controls how strong or weak tides are. When the Moon, Earth, and Sun are lined up, tides become extra high and extra low. When they form a right angle, the tides are less extreme. These patterns repeat as the Moon moves through its phases.

Sequence Ordering

Below are events mixed up out of order. Rearrange them to show the correct chain of how Moon phases lead to tide types, and how those tide types change the ocean. Write the correct order using numbers 1-6.

- A. Neap tides occur
- B. Ocean shows the least difference between high and low water levels
- C. Spring tides occur
- D. Moon phase is first quarter or third quarter
- E. Ocean shows the greatest difference between high and low water levels
- F. Moon phase is new moon or full moon

Your Sequence: ____ → ____ → ____ → ____ → ____ → ____

Challenge Question: Why do you think people who live near the ocean often pay attention to the Moon's phase? Write 2-3 sentences.
