

MOON PHASES

Extension Questions

For each of these questions, sketch a diagram to help us understand your thinking.

1. What time does a new moon rise and set? How does that compare with when the Sun rises and sets?
2. You are on vacation at the beach and notice that high tide times occur about 1 hour later each day. Based on what you know about the Moon, can you explain why this happens?
3. Explain why the Moon takes 27.3 days to orbit around Earth, but a complete Lunar Cycle takes 29.5 days.