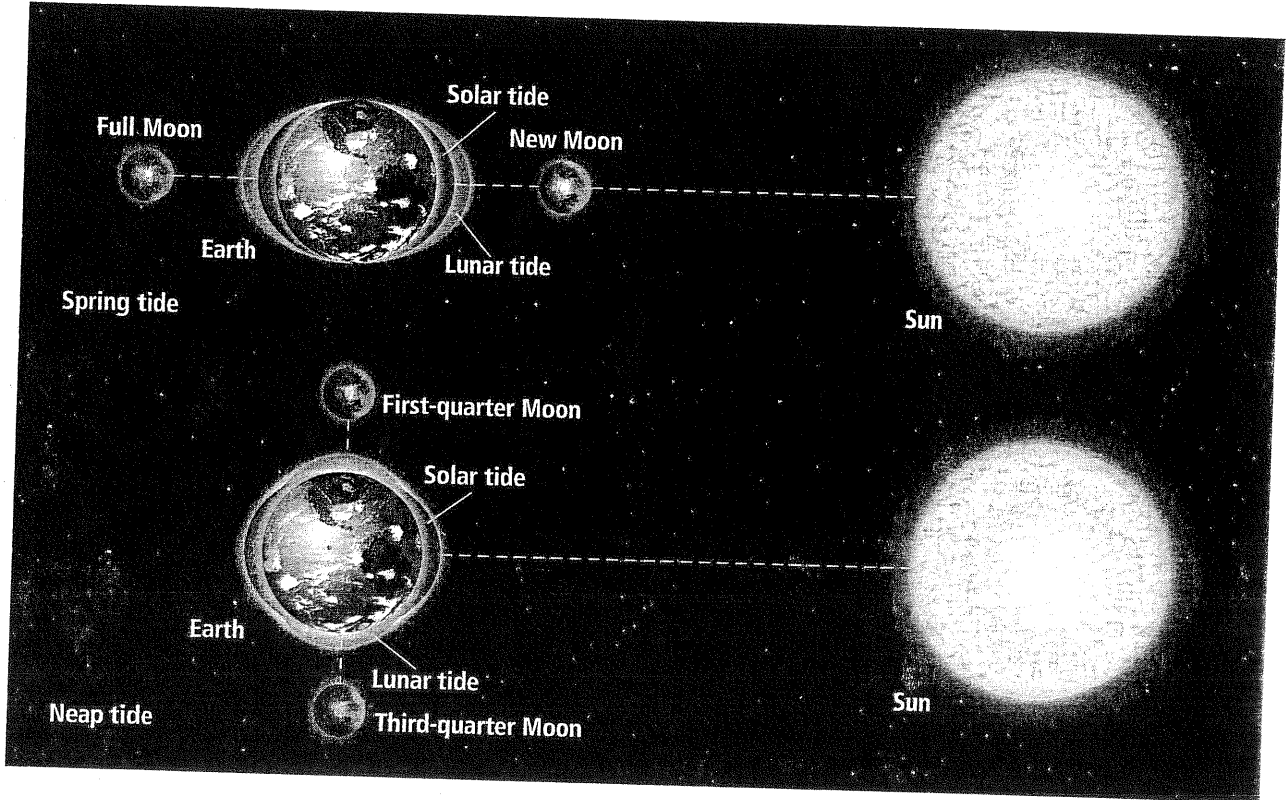


Solar and Lunar Tides

Use with Chapter 15
Section 15.3



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Solar and Lunar Tides

1. What is a spring tide and when does it occur?

2. Describe the relative positions of the Sun, the Moon, and Earth during a spring tide.

3. What is a neap tide and when does it occur?

4. Describe the relative positions of the Sun, the Moon, and Earth during a neap tide.

5. Which are higher—lunar high tides or solar high tides? Explain your answer.

6. During which phases of the Moon does the Sun enhance a lunar tide? Explain your answer.

7. Why are tidal changes less extreme during a neap tide?

8. During which phases of the Moon do solar and lunar tides occur at different places on Earth?
