The Lithosphere and Asthenosphere

Use with textbook page 290.

- 1. Describe how the following terms are related:
 - a) lithosphere and crust
 - b) lithosphere and mantle
 - c) asthenosphere and mantle
- 2. What is the key role of the asthenosphere in the theory of plate tectonics?
- **3.** What characteristics of the asthenosphere make it suitable for moving Earth's tectonic plates?
- **4.** One analogy compares the asthenosphere to toothpaste or melted tar. Come up with your own analogy to describe the asthenosphere.
- 5. Use the Venn diagram to compare and contrast continental and oceanic crust.

