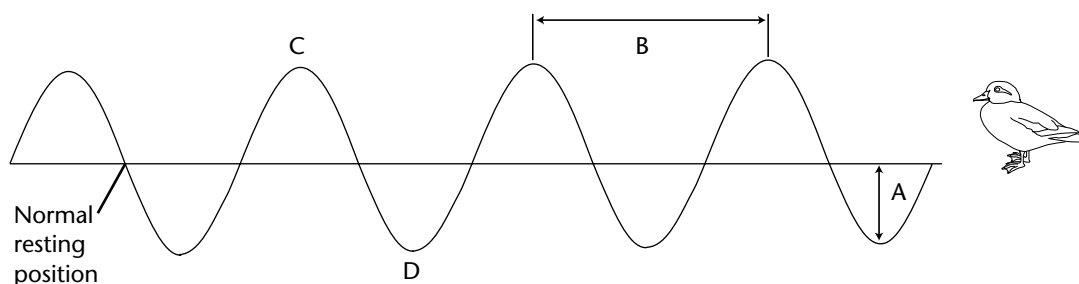


Characteristics of Waves ▪ *Review and Reinforce***Properties of Waves****Understanding Main Ideas**

Study the figure below, then circle the letter of the correct answer to each of the questions below.



1. In the diagram above, four complete waves pass the duck in one second. The frequency of this wave is
 - a. 8 s.
 - b. 4 cm.
 - c. 4 Hz.
 - d. $\frac{1}{4}$ Hz.
2. If this wave travels at 16 cm/s, its wavelength would be
 - a. 2 cm.
 - b. 16 cm.
 - c. 64 cm.
 - d. 4 cm.
3. If the wavelength of the above wave is 2 cm and its frequency is unchanged, its speed would be
 - a. 16 cm/s.
 - b. 14 cm/s.
 - c. 2 cm/s.
 - d. 8 cm/s.

Building Vocabulary

Fill in the blank to complete each statement.

4. The letter A in the figure above represents the _____ of the wave.
5. The letter B in the figure above represents the _____ of the wave.
6. The letter C in the figure above represents a(n) _____ of the wave.
7. The letter D in the figure above represents a(n) _____ of the wave.