

Name **KEY**

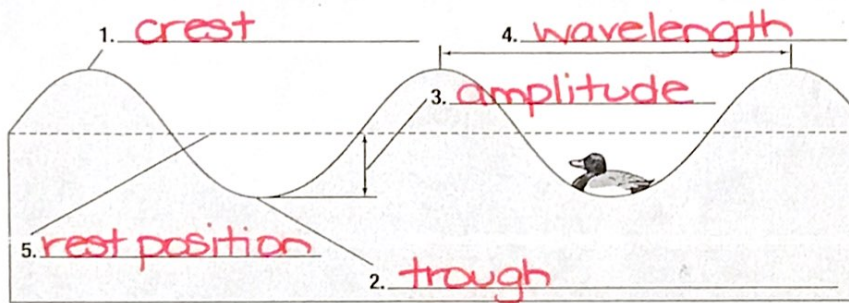
Date

Use with textbook pages 134-136.

Features of a wave

Use the vocabulary words in the box below to label the parts of a wave.

Vocabulary	
amplitude	wavelength
crest	rest position
trough	



On the line beside each term, describe the wave feature.

6. amplitude distance from rest to crest or rest to trough

7. crest top of the wave

8. trough bottom of the wave

9. wavelength distance from crest to crest or trough to trough (one full cycle)

10. rest position between the crest and the trough; center line.

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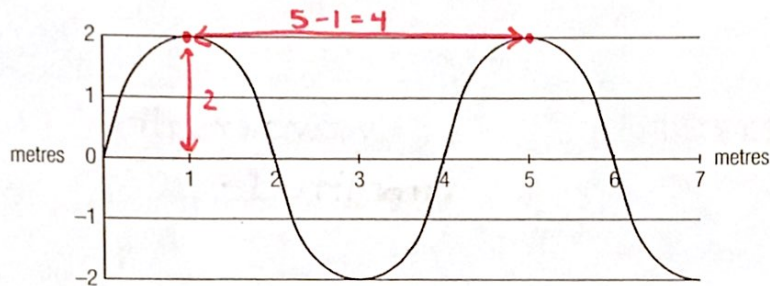
Use with textbook pages 134-138.

Characteristics of waves

Use the information in the graphs to answer the questions.

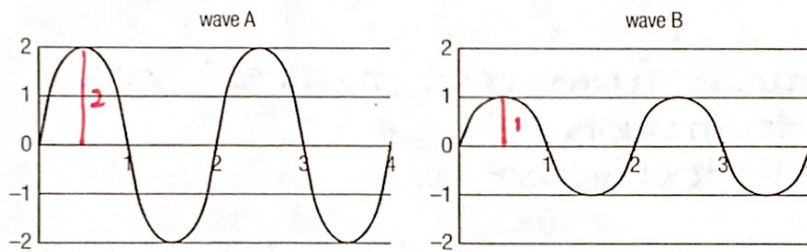
1. How long is the wavelength of the wave below? 4 m

2. How large is the amplitude of the wave below? 2 m



3. Which wave below has the smaller amplitude, A or B? B

4. Which wave carries more energy, A or B? A



5. What is the same for waves X and Y below: amplitude, wavelength, or frequency?
amplitude

6. Which wave has a greater frequency, X or Y? Y

7. Which wave has a longer wavelength, X or Y? X

