

Name _____ Date _____ Period _____

Waves Unit 2, Worksheet 5

1. The illustration below shows a series of transverse waves. Label each part in the space provided.

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____



Fill in the blanks:

2. Waves carry _____ from one place to another.
3. The highest point on a transverse wave is the _____ while the lowest part is the _____.
4. The _____ is the height of the wave.
5. The distance from one crest to the next is the _____.
6. Below are a number of series of waves. Underneath each diagram write the numbers of waves in the series.









- a. Which of the above has the biggest amplitude? _____
- b. Which of the above has the shortest wavelength? _____
- c. Which of the above has the longest wavelength? _____

7. Express in words and mathematically the relationship between
- a. period and frequency

b. wavelength and frequency

c. wavelength and period

8. Consider a wave generator that produces 10 pulses per second. The speed of the waves is 300. cm/s.

a. What is the wavelength of the waves?

b. What happens to the wavelength if the frequency of pulses is increased?

Mechanical Waves Answers W2

S Ashworth



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