Waves Unit 2, Worksheet 5

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



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? _____
- Express in words and mathematically the relationship between
 - a. period and frequency
 - b. wavelength and frequency
 - e. 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?

1

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

Mechanical Waves Answers W2

Hussin A.Rothana

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