

Waves Unit Test SPH3U

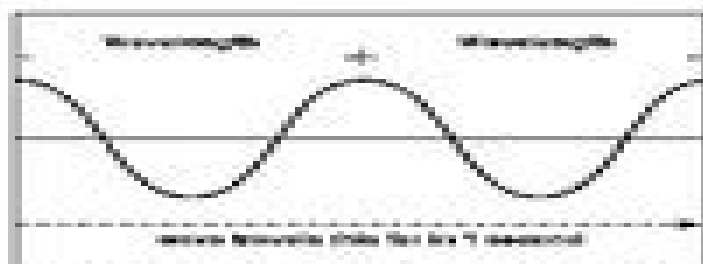
Name: _____

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(Product)

Assessment of Learning

15 11 9 12

Multiple Choice: Select the most correct answer. Worth 1 mark each (15K, 5T)



1. Consider the properties of a wave—wave speed, amplitude, wavelength, period, and frequency. Which two properties could you determine the numerical values of by using only the information given in the figure above?

- A) wavelength & frequency
- B) period & frequency
- C) wave speed & period
- D) wave speed & frequency
- E) amplitude & wavelength

2. Reflected waves differ from the original waves before they were reflected in their

- A) speed
- B) direction
- C) frequency
- D) wavelength

3. Transverse and longitudinal waves both

- A) have compressions and rarefactions
- B) transfer energy through a medium
- C) are capable of moving the medium a long distance
- D) move at right angles to the vibration of the medium

4. The driver of a car blows the horn as the car approaches a crosswalk. Compared to the actual pitch of the horn, the pitch observed by a pedestrian in the crosswalk is:

- A) higher
- B) lower
- C) the same
- D) None of the above

5. If the frequency of a wave is doubled and if the speed remains constant, its wavelength is

- A) quartered
- B) halved
- C) unchanged
- D) doubled

Physics 11 Waves Test

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