Standing Wave Quiz

Due May 23 at 1pm Points 10 Questions 5 Available May 18 at 12am - May 23 at 1:30pm 6 days
Time Limit None

Instructions

These questions come directly from the lab manual and the Pre-Lab resources section of the modules, please be sure to read before taking the quiz. Check and make sure your answers are in the appropriate units. You have only one attempt at the quiz.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	4591 minutes	6 out of 10

Score for this quiz: **6** out of 10 Submitted May 21 at 4:18pm This attempt took 4591 minutes.

Question 1

2 / 2 pts

A 9.6 kHz sine wave travels along a string with a velocity of 201.0 m/s, determine the wavelength of the wave in meters. Give your answer to two significant digits.

Correct!

0.0200

Correct Answer

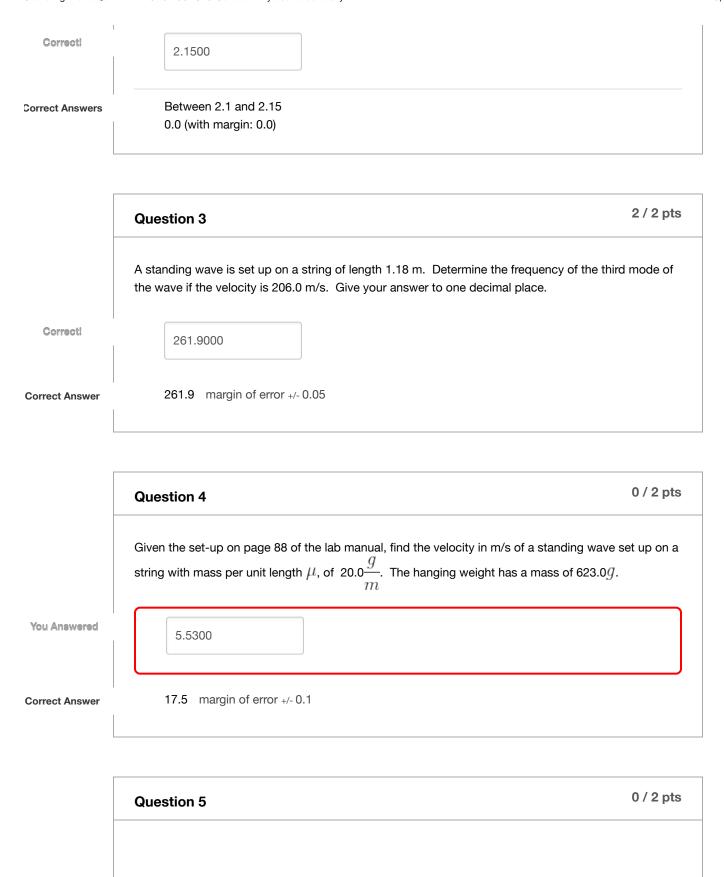
0.02 margin of error +/- 0.005

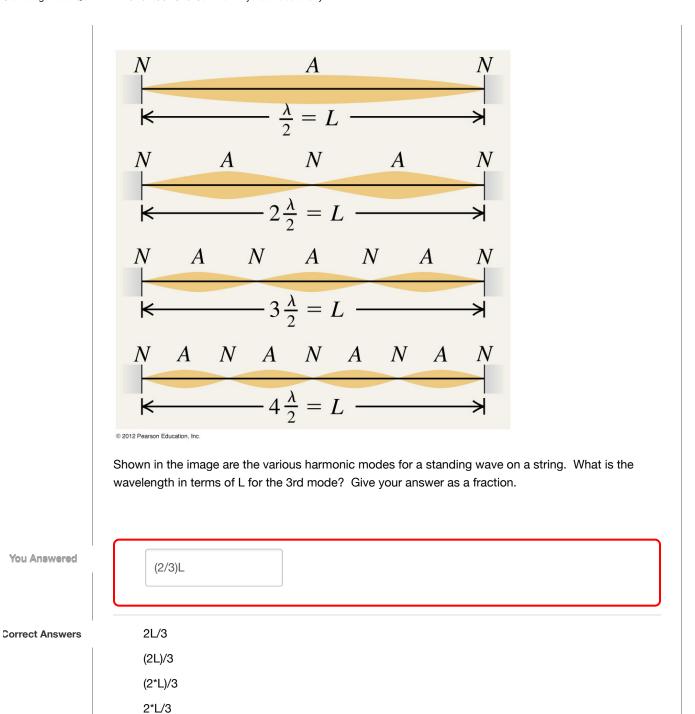
Question 2

2 / 2 pts

Given the following wave function $y = A \sin\left(\frac{2.5}{m}\left\{x - \left(5.4\frac{m}{s}\right)t\right\}\right)$, where m is

unit of meters. Compare this equation to the equation given for a wave in your lab manual. Determine the frequency of the wave in Hz.





Quiz Score: 6 out of 10