# 14

# **Study Guide**

# Vibrations and Waves

#### **Vocabulary Review**

Write the term that correctly completes the statement. Use each term once.

amplitude	longitudinal wave	transverse wave
antinode	node	trough
crest	period	wave
frequency	periodic motion	wavelength
interference	refraction	
1	The time needed for an object to complete one full cycle of simple harmonic motion is the	
2	occurs when more than one wave moves through the same medium at the same time.	
3-	When waves are superposed, any point that does not experience displacement is a(n)	
4	A disturbance that carries energy through matter or space is a(n)	
Б	A wave in which the disturbance is parallel to the direction of travel is a(n)	
6	The maximum distance an object in simple harmonic motion moves from equilibrium is called the	
7	The lowest point of a transverse wave is the	
8	The shortest distance between two points where the wave pattern repeats is the	
9	Any motion that repeats in a regular cycle is called	
10	When two waves interfere constructively, the point with the greatest displacement is called the	
11.	A(n) travels in a direction perpendicular to its displacement.	
12.	The number of complete oscillations a wave makes each second is the of the wave.	
13	refers to the change in direction waves experience at the boundary between two different media.	
14.	The highest point of a transverse wave is the	

# **Physics Chapter 14 Study Guide Answers**

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