

Vibrations and Waves



Class_ Name Date Two waves having the same amplitude and Radio waves and gamma rays traveling in space have the same the same frequency pass simultaneously through a uniform medium. Maximum destructive interference occurs when the A frequency phase difference between the two waves wavelengi period C/18 A speed 3 The diagram below represents a wave Which waves can be polarized? traveling in a uniform medium. A light waves from an Which two points on the wave are incandescent bulb 5 **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet 7 Which two points on the wave are A 80 s in phase? B 0.2 s C 5s A and G C C and K D D and I 9 Two waves traveling in the same medium s a pulse travels along a rope, interfere to produce a standing wave. loses energy and its amplitude What is the phase difference between A decreases the two waves at a node? **B** increases A 0° C remains the same B 90° C 180° D 360°



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Name_	Cla	ass Date	
1	Radio waves and gamma rays traveling in space have the same A frequency B wavelength C period Speed	Two waves having the same amplitude and the same frequency pass simultaneously through a uniform medium. Maximum destructive interference occurs when the phase difference between the two waves is	C
3	The diagram below represents a wave traveling in a uniform medium. Which two points on the wave are	Which waves can be polarized? A light waves from an incandescent bulb	A
5	PREV Please Sign In or Si the printable versio	gn Up to download	A
7	A 80 s B 0.2 s C 5 s D 4 s	Which two points on the wave are in phase? A and D B A and G C and K D and I	C
9	wo waves traveling in the same medium interfere to produce a standing wave. What is the phase difference between the two waves at a node? A 0°	As a pulse travels along a cope, the pulse loses energy and its amplitude A decreases B increases C remains the same	A