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vibration that travels and carries energy from one this page titled 15 waves and vibrations is shared under a not declared license and was authored remixed and or curated by boundless vibrations 1 period is the time to complete one cycle we orbit the sun in 1 year set up a 50 cm long pendulum set it vibrating time how long it takes to go over and back 10 cycles lesson plan lab 2 a wiggle in time and space do and process a vibration is a wiggle in time a wave is a collection of wigglers a wiggle in time extended across space discuss the nature of a wave and categories of waves longitudinal vs transverse mechanical vs em pair practice waves think sheet there are two main types based on how they move transverse waves in these waves particles of the medium move perpendicular to the direction of the wave light waves and waves on a string are examples of transverse waves longitudinal waves here particles of the medium move parallel to the direction of the wave sound wave a longitudinal wave is discussed in this lecture prof lee calculates the speed of sound using two extreme cases 1 constant temperature 2 adiabatic process he also measures the speed of sound using an in class demo view video page

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