

# Physics Slinky Lab Answers

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## Physics Slinky Lab Answers

The Slinky Lab Interactive provides the user with a virtual slinky. The slinky consists of a collection of dots to represent its coils. Any individual dot can be grabbed at one location and shook back and forth to create vibrations. The vibrations travel through the slinky from the location where it is shook to the ends and then back.

## Physics Simulation: Slinky Lab

A slinky looks as though it is levitating when dropped. In the article from Stanford's "The Physics of a Falling Slinky" a thorough explanation is given as to why this is so. The bottom of the slinky is

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motionless while the top is collapsing on it. The equation for this, derived from Hooke's Law (see picture)

### **The Physics of a Slinky: Hooke's Law | SchoolWorkHelper**

If a slinky is stretched out from end to end, a wave can be introduced into the slinky by either vibrating the first coil up and down vertically or back and forth horizontally. A wave will...

### **Waves on a Slinky Lab - AP Physics 1 CRAHS#16**

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send the same size and shape pulse from each end of the slinky. Describe what happens when the two pulses meet.

### **Physics, Slinky Lab Question? | Yahoo Answers**

AP Physics 1 2 3 4 5 6 7 8 To set up this lab, stretch a long slinky between two seated lab members. The slinky should be resting on the ground. To send a wave pulse (one single crest), a student holding the end should pluck the slinky with their free hand.

### **Slinky Lab Name - Conant Physics**

The Physics Classroom: Slinky Lab This mobile-ready Slinky simulation offers a host of ways to explore vibrations and waves. It provides multiple tools for investigating how frequency, tension, and density affect the vibrational motion of particles and the speed of a transverse wave as it moves through a medium.

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### **The Physics Classroom: Slinky Lab**

Slinky and the Wave Lab Transverse Waves: With a partner, find a spot on the floor and make a straight line about 1.5 meters long on the floor with a piece of tape. This is the line of equilibrium. Stretch out your slinky along this line. Place a piece of masking tape at about the middle of the slinky. Practice producing a pulse along the ...

### **Slinky and the Wave Lab**

Longitude Wave A longitude wave (compression) the particles morallel to the direction and transverse. single wave observation the slinky went end to end back and forth observation Slinky Wave Lab The slinky bounced throughout the process What is a wave? Transverse Wave types of

### **Slinky Wave Lab by Ghielene Fetiza on Prezi**

Physics Experimenting with Slinky Springs Enoch Lau 11Ph1 Page 2 of 12 Risk Assessment: Danger lies where there is no relationship of trust between the two people holding the opposite ends of the stretched slinky spring.

### **EXPERIMENTING WITH SLINKY SPRINGS: INVESTIGATION 1**

In this lab, you'll be learning about waves using a slinky. By the end of the lab, you'll understand the relationship between two properties of waves, frequency and wavelength.

### **Slinky Wave Lab | Study.com**

Lab 11: Slinky Lab Mr. Maloney Physics 1/4 rev:5/2011 NAME: DATE: PROCEDURE Record your observations neatly in the spaces below. Be careful not to tangle the slinky. I. TYPES OF DISTURBANCES Stretch the slinky down the hall about 7 meters on the floor (use 3 floor tiles as 1 m). Send a pulse down the slinky by disturbing it at one end by ...

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### **Slinky Lab - MrMaloney.com - MAFIADOC.COM**

The magnetic field is larger when the white dot is facing parallel of the slinky. 2. If you point it the opposite way, the reading for the magnetic field becomes negative. When you point it...

### **Magnetic Field in a Slinky - Google Slides**

waves slinky lab answer key wave properties.pdf FREE PDF DOWNLOAD Slinky Lab- Simulating the Motion of Earthquake Waves ... seplessons.ucsf.edu/node/110 Students use a slinky to model earthquake waves. Learn the speed, direction and behavior of different waves which tell scientists about earthquakes. Waves - The Physics Classroom

### **waves slinky lab answer key wave properties - Bing**

Slinky Wave Lab Background ... The purpose of the lab is to study the types of waves and their properties using a slinky. Procedure: 1. Select a lab partner and gather the lab materials. 2. On a smooth floor, stretch the slinky out between you and your partner, to a ... Slinky Wave Lab - Answer Sheet Questions: 1. What is a wave? 2.

### **Wave Properties 25 Lab Answers**

(water, slinky, air), energy is being passed from one particle to the next. Waves occur around us every day. Some common places we experience waves are in sound, light, water, and earthquakes. In addition to being a great toy, the Slinky is an excellent device for creating and studying waves.

### **Slinky Wave Lab - Westerville City School District**

Setting up: First, we stretched the Slinky to 1 meter in length and taped down the ends. Then on either sides of the slinky clipped wires to a power supply to provide voltage and an ammeter to...

### **Magnetism - AP Physics Lab Portfolio**

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Over the course of two days, conceptual physics students studied transverse and longitudinal waves using Slinkys and Snakeys. They observed constructive and destructive interference in transverse...

### **Slinky Lab Winter 2011.mov**

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