

Read Online Locating
Earthquake Epicenter Lab

Answers

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Locating Earthquake Epicenter Lab

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2.15 Lab: Earthquake Epicenter Name:
Directions: Follow the instructions below to successfully determine the earthquake epicenter by analyzing seismographs from at least 3 seismic stations. 1) Open the lab activity link: *If you would like to complete the lab along with the CC recording click [HERE!](#) 2)

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Click on seismic station A on the United States map.

2.15 Lab Earthquake Epicenter (1).docx - 2.15 Lab ...

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epicenters lab answers, finding epicenters and measuring magnitudes work, locating an earthquake. In order to continue enjoying our site, locating an earthquake.

Finding The Epicenter Worksheet Answer Key

To locate the epicenter of the

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earthquake, a minimum of 3 circles from three different seismic stations must be drawn on the map. The intersection of the three circles shows the location of the epicenter on the map. This is illustrated below. Objective: In this activity, you will use analyze P-wave and S-wave recordings on a seismogram to

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LAB Locating Epicenters - NYS Earth Science

This Locating Earthquake Epicenter Lab Answer Key PDF Kindle is delivered in simple words. This makes it easy for the reader to know the meaning of the contents Locating Earthquake Epicenter Lab...

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Locating Earthquake Epicenter Lab Answer Key Locating ...

EXERCISE 16.4 Locating an Earthquake
Epicenter and Determining When It
Occurred (continued) Name: Course:
Section Date Arrival times and delays
between seismic waves Los Angeles
Seismic wave arrival times P-Wave
Seattle 5:42:01 5:42:00 5 42:02 5-Wave

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5:13: 00 Love Wave Rayleigh Wave
Delays between seismic waves S-p 2.00
3 58 4 02 Love-S dont do Rayleigh-Love
Step 3: Estimating Distance from ...

Solved: EXERCISE 16.4 Locating An Earthquake Epicenter And ...

Recorded with <http://screencast-o-matic.com>

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2.15 Lab: Earthquake Epicenter Help - YouTube

An earthquake epicenter can be located from records made of earthquake waves on devices called seismographs. One type of seismograph is a visible recording machine, shown in Figure 2. A pen draws a pattern of the waves on

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paper that is attached to a revolving drum. The wave record from a seismograph is known as a seismogram - see Figure 3.

Lab 10 - Earthquake Epicenter Location

Locating the Epicenter of an Earthquake
- [ntschoools.org](https://www.ntschoools.org) To locate the epicenter of

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the earthquake, a minimum of 3 circles from three different seismic stations must be drawn on the map. The intersection of the three circles shows the location of the epicenter on the map.

Locating Earthquake Epicenter Lab Answers - PvdA

3. Find the earthquake's epicenter using

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the distances you just obtained. a. Locate and mark the three seismic stations on the world map, Figure 3 (page 5-7): Sitka, AK: 57° N latitude, 135° W longitude Charlotte, NC: 35° N latitude, 81° W longitude Honolulu, HI: 21° N latitude, 158° W longitude

EARTHQUAKES: Epicenter

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Determination, Seismic Waves, and

...

If you are unsuccessful at locating the epicenter, describe how you modified your work to come to the correct answers. Record the information in your lab report. In the first try, I wasn't able to get the correct answers. I had to use my math skill and calculate the distance

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very carefully.

Lab Report Format for Earthquake Epicenter Lab by

Finding the Distance to the Epicenter and the Earthquake's Magnitude Figure 2 - Use the amplitude to derive the magnitude of the earthquake, and the distance from the earthquake to the

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Answers

station. (from Bolt, 1978) Measure the distance between the first P wave and the first S wave.

How Do I Locate That Earthquake's Epicenter?

Lab 5: Earthquakes - Answers Objective

The objectives of this lab are to learn how to locate the epicenter of an

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Answers

earthquake using seismographs and to examine the relationship between plate tectonics and earthquake locations. 9,000 km Q4. Lab 5: Earthquakes - Answers Objective The objectives of this lab are to learn how to locate the epicenter ...

locating the epicenter of an

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earthquake lab answers

Use your travel time curve, ESRT p11, to determine the distance to epicenter for each city/earthquake. Once you found the distance, use that number to determine the speed that the P and S wave travelled and record in the data table. Part 2. Using the distance to epicenter information above, the map

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and map scale, plot the location of the earthquake.

LAB: Locating An Epicenter - Norwich High School

NAME: Activity 34: Epicenter Location II -
The seismogram below is from a seismic
station located in Pusan, South Korea.
What is the lag time between the first

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arrival of the P-wave and the first arrival
of the 5 wave? seconds Cavit. 200 First
arrival of P-wave First arrival of S-wave
200 150 100 50 50 100 1150 200 Time
(seconds) The seismogram below is from
the same earthquake, but from a ...

**NAME: Activity 34: Epicenter
Location II - The Sei ...**

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Seismic stations detect earthquakes by the tracings made on seismographs. Tracings made at three separate seismic stations are needed to locate an earthquake epicenter. Objective: To identify the location of an earthquake epicenter using a travel time graph and three seismograph tracings.

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Locating the Epicenter of an Earthquake

Students will locate the epicenter of an earthquake using seismograms from three different stations. This activity should be given at the end of the earthquake unit. Check list and visual procedure included.

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Lab Activity Locating Epicenters & Worksheets | Teachers ...

In this activity, students use an online simulation—Virtual Earthquake—that is accessible through the Earthquakes Living Lab interface, to locate the epicenter of an earthquake by making simple measurement on three seismograms, recordings of an

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earthquake's seismic waves detected by instruments (seismographs) far away from the earthquake.

Earthquakes Living Lab: Finding Epicenters & Measuring ...

Go to the Virtual Earthquake (Links to an external site) site from Geology Labs online. Choose a location to

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Answers

“experience” your earthquake. Read over the next page on how to determine the P-S wave time interval from a seismogram. On the next page you will view three different seismograms.

Assignment: Earthquakes | Geology

The point of origin of an earthquake is called its focus and the point on the

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earth's surface directly above the focus is the epicenter. You are to locate the epicenter of an earthquake by making simple measurement on three seismograms that will be sent to you by the Virtual Earthquake program.

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