

Exploring

Student Exploration: Earthquake – Recording Station
Remember to go to <https://www.khanacademy.com> and log in. Start the game, Earthquake Recording Station and complete the questions below. This assignment is worth 20 points.

Directions: Study about earthquakes, seismology, fault lines, P waves, S waves, seismic waves, seismographs, and seismographs.

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

- Have you ever experienced an **earthquake**?
If so, what did it feel like? **The ground was suddenly and it was hard to walk. Really scary.**
- Earthquakes are usually caused by the sudden movement of rocks along a **fault** or fracture in Earth's crust. The most famous fault in the U.S. is the San Andreas Fault in California. What major cities are located near the San Andreas fault?
Los Angeles & San Francisco

Game Warm-up
The Earthquake Recording Station Gizmo™ simulates the **seismic activity** caused by an earthquake. To begin, look at the key on the bottom left side of the Gizmo.

- The **epicenter** of the earthquake is the point on Earth's surface closest to the **focus**, or origin, of the earthquake.
 - What symbol represents the epicenter? **A black triangle.**
 - What symbol represents the recording station? **A black triangle.**
- Click Play (GO) and observe the seismic waves leaving the epicenter of the earthquake.
 - What types of seismic waves are released? **P waves.**
 - Look at the **Recording Station Observer** on the upper left side of the Gizmo. What happens when the seismic waves hit the recording station? **Example: three waves.**

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Student Exploration Earthquake Recording Station Answer Key

[Student Exploration Earthquake Recording Station](#)

Student Exploration Earthquake Recording Station

Student Exploration: Earthquakes 1 ... Gather data: Place the recording station at each of the following distances to the epicenter. (Does not need to be exact.) Measure the P- and S-wave time difference (Δt) on the seismogram at each distance, and record the values in the table on the left. Distance (km) Δt (s) 100 200 400 600 800 1000 5. Make a graph : Plot your data on the graph to the ...

Student Exploration: Earthquakes 1 Recording Station

Gizmo Warm-up The Earthquakes 1 - Recording Station Gizmo™ simulates the seismic waves released by an earthquake. To begin, look at the key on the bottom left side of the Gizmo. 1. The epicenter of the earthquake is the point on Earth's surface closest to the focus, or origin, of the earthquake.

Student Exploration: Earthquakes 1 Recording Station | pdf ...

Student Exploration: Earthquakes 1 ... Which recording station is farthest from the epicenter? How do you know? Activity: Locating the epicenter Measure: Measure the time interval (Δt) for each seismogram, and then use your graph from the front of this answer sheet to find the distance from each station to the epicenter. Station Time interval (Δt) Distance to epicenter (km) A B C Locate ...

Student Exploration: Earthquakes 1 Recording Station

Gizmo Warm-up The Earthquakes 1 - Recording Station Gizmo™ simulates the seismic waves released by an earthquake. To begin, look at the key on the bottom left side of the Gizmo. 1. The epicenter of the earthquake is the point on Earth's surface closest to the focus, or origin, of the earthquake.

Gizmo Student Exploration Earthquake Recording Station ...

The Earthquake - Recording Station Gizmo™ simulates the seismic waves released by an earthquake. To begin, look at the key on the bottom left side of the Gizmo. The epicenter of the earthquake is the point on Earth's surface closest to the focus, or origin, of the earthquake. What symbol represents the epicenter?

Student Exploration: Earthquake - Recording Station ...

Using an earthquake recording station, learn how to determine the distance between the station and an earthquake based on the time difference between the arrival of the primary and secondary seismic waves. Use this data to find the epicenter in the Earthquakes 2 - Location of Epicenter Gizmo.

Earthquakes 1 - Recording Station Gizmo : ExploreLearning

Student Exploration: Earthquake - Recording Station Remember to go to and login. Select the gizmo: Earthquake Recording Station and complete the questions below. This assignment is worth 25 points. Vocabulary: body wave, earthquake, epicenter, fault, focus, P wave, S wave, seismic wave, seismogram, seismograph Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

EarthquakeRecordingSE - Student Exploration Earthquake ...

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Student Exploration- Moonrise, Moonset, and Phases (ANSWER ...

Gizmo Student Exploration Earthquake Recording Using an earthquake recording

station, learn how to determine the distance between the station and an earthquake based on the time difference between the arrival of the primary and secondary seismic waves. Use this data to find the epicenter in the Earthquakes 2 - Location of Epicenter

Gizmo Student Exploration Earthquake Recording Station Answers

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Gizmo Warm-up The Earthquake - Recording Station Gizmo™ simulates the seismic waves released by an earthquake. To begin, look at the key on the bottom left side of the Gizmo. The epicenter of the earthquake is the point on Earth's surface closest to the focus, or origin, of the earthquake.

Student Exploration- Earthquake u2013 Recording Station ...

Earthquake - Recording Station Student Exploration. Take this out now. 2. Measure : Turn on Show time probe. On each seismogram, locate the first P wave and the first S wave. Measure the time interval (ΔT) for each seismogram, and then use your graph to find the distance of each station to the epicenter.

Student Exploration: Earthquake - Determination of Epicenter

Student Exploration: Earthquake - Recording Station. The Earthquake - Recording Station Gizmo™ simulates the . seismic waves. released by an earthquake. To begin, look at the symbols on the bottom left side of the Gizmo. The . epicenter . of the earthquake is the point on Earth's surface closest to the . focus , or origin, of the earthquake. What symbol represents the epicenter ...

Student Exploration Sheet: Growing Plants

Earthquake Recording Station Gizmo Answers epicenter of the earthquake is the point on Earth's surface Gizmo Student Exploration Earthquake Recording Station Answers Gizmo Warm-up The Earthquakes 1 - Recording Station Gizmo™ simulates the seismic waves released by an earthquake. To begin, look at the key on the bottom left side Page 7/26

Earthquake Recording Station Gizmo Answers

Gizmo Student Exploration Earthquake Recording Station Answers Gizmo Warm-up The Earthquakes 1 - Recording Station Gizmo™ simulates the seismic waves released by an earthquake. To begin, look at the key on the bottom left side of the Gizmo. 1.

Earthquake Recording Station Gizmo Answers

Student Exploration: Earthquake - Recording Station. gov account USPTO. The winter of 2000-2001 brought yet more extreme conditions. After a few hours return to your solar still and see if anything has changed, there should be more water in the collecting jar. Get Free Access See Review. Embassy or Consulate before you go, and find out where it's physically located!. Handout 1 Energy ...

Earthquakes 1 Recording Station Gizmo Answer

Name: ____ Date: ____ Student Exploration: Earthquakes 1 - Recording Station Vocabulary: body wave, earthquake, epicenter, fault, focus, P-wave, S-wave, seismic wave, seismogram, seismograph Prior Knowledge Questions (Do these BEFORE using

the Gizmo.) 1. Have you ever experienced an earthquake? ...

Earthquakes1RecordingSE.pdf - Anna Name Date Student ...

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[Books] Student Exploration Earthquake Recording Station ...

Student Exploration: Earthquake Recording Station. Vocabulary: body wave, earthquake, epicenter, fault, focus, P-wave, S-wave, seismic wave, seismogram, seismograph . Prior Knowledge Questions (Do these BEFORE using the Gizmo.) Have you ever experienced an . earthquake? ____ If so, what did it feel like? _____ Earthquakes are usually caused by the sudden movement of rocks along a ...

Earthquake - Recording Station

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