

Exploring

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

Directions: Read each earthquake question, look at the P wave, S wave, seismic wave, seismograph, and seismograph.

Prior Knowledge Questions (Do these first 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 station** activated 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: First 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 - 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? ____ If so, what did it feel like?

Student Exploration: Earthquakes 1 Recording Station

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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

Student Exploration: Earthquake - Recording Station. Remember to go to www.explorellearning.com 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

Student Exploration: Earthquake - Recording Station ...

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 ...

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

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

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Student Exploration Earthquake Recording Station Answer ...

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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

The Earthquakes 1 — Recording Station Gizmo™ simulates the released by an earthquake. To begin, look at the key on the bottom left side of the Gizmo. 1. The epicent^of of the earth uake is the point on Earth's surface closest to the or origin, of the earthquake.

Grosse Pointe Public School System / GPPS Home

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 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

Earthquake Intensity. Describe the macroseismic intensity felt in the Dudley earthquake in 2002. (seen in diagram) strong - some small objects fall over. Locating Earthquakes. Seismographs from how many stations are required to locate the focus of an earthquake? three. The distance from the focus is calculated for each of the three stations. A ...

Answer Key Earthquake Webquest Worksheet - Google Docs

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 gizmo student exploration earthquake recording ...

Earthquake Recording Station Gizmo Answer Key

answer key earthquake student exploration earthquakes 1 recording station after you complete the activity please answer the 5 mc questions on the gizmo website below the activity gizmo warm up what symbol represents the epicenter what symbol represents the recording station what types of seismic waves are released activity a reading a seismogram student exploration earthquake recording station ...

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