# Finding The Epicenter Skills Lab Answers Key

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# **Finding The Epicenter Skills Lab**

Name Class Date. Skills Practice Lab. Finding an Epicenter. An earthquake releases energy that travels through Earth in all directions. This energy is in the form of waves. Two kinds of seismic waves are P waves and S waves. P waves travel faster than S waves and are the first to be recorded at a seismograph station.

# **Skills Practice Lab Finding an Epicenter**

waves depends on the distance from the epicenter of the earthquake. a. Find the difference in arrival time for Denver on the y-axis of the graph. b. Follow this line across to the point at which it crosses the curve. c. To find the distance to the epicenter, read down from this point to the x-axis of the graph. d. Enter this distance in the data table. 3. Repeat step 2 for Houston and Chicago 4.

# Finding the Epicenter Lab - Mrs. Smit's Science Class

and S waves depends on the distance from the epicenter of the earthquake. Find the difference in arrival time for Denver on the y-axis of the graph. Follow this line across to the point at which it crosses the curve. To find the distance to the epicenter, read down from this point to the x-axis of the graph. Enter this distance in the data table. 3.

# Finding the Epicenter - AKA Media Inc.

This second-day lab focuses on the culmination of the previous day's material - students triangulate the distance to an epicenter by analyzing seismograph readings Plan your 60-minute lesson in Science or Earth and Space Science with helpful tips from Kane Koller

# **Eighth grade Lesson Epicenter Lab (2/2) | BetterLesson**

Distance to Epicenter 1200 km 2500 km 4000 km Earthquakes Skills Lab Finding the Epicenter (continued) DATA TABLE City Denver, Colorado Houston, Texas Miami, Florida Difference in P and S Wave Arrival Times 2 min IOS 3 min 55 s 5 min 40 s Analyze and Conclude Answer the following questions on a separate sheet of paper. 1.

### www.basd.net

Finding The Epicenter Skills Lab Team Fortress Classic (also known as Team Fortress 1.5) is a 1999 first-person shooter video game developed and released by Valve Corporation.

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6. Locate the epicenter on "Map B" by constructing a circle whose radius is equal to the distance from the city to the epicenter for all three cities. 7. Where all three circles meet, draw an arrow and label it "epicenter". Leigh-Manuell - "5 Lab Activity: Locating Epicenters Station Arrival Time Difference in Arrival Time Distance to ...

### 6.5 Locating Epicenters - Earth science

After developing an understanding of how seismic waves move, students take on a design challenge using everyday materials to build a model that simulates an earthquake. Students will: • identify the main types of seismic waves and their properties. • identify how to locate an epicenter.

#### S T E M Matters - Pearson School

Find the Epicenter Location Map on page 6. To locate the epicenter on the map, for each city construct a circle whose radius is equal to the distance from the city to the epicenter. b. Use the scale of distance of your map to set the drawing compass at the correct radius. 2. Mark and label the epicenter on the map where all three circles intersect.

## Finding Epicenters Lab - ws.k12.ny.us

With increasing distance from the earthquake, the time difference between the arrival of the P waves and the arrival of the S waves increases. Put more simply, the higher the time between the S and P waves (the S-P interval), the farther the distance. 11. Describe the process of triangulation to locate an epicenter.

# **Example Answers - TeachEngineering**

This is a video showing you how to work through some of the problems concerning the location of earthquake epicenters.

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