

Chapter 9.1 (Pg. 315) - Earthquake Virtual LAB Name _____

Earthquake

How do seismograph stations help determine an earthquake's epicenter?

Question 1: Which state was the earthquake's epicenter located in? Refer to a map of the United States if necessary.

Question 2: Why does the time difference between the arrival of primary and secondary waves grow longer at Seismograph stations that are farther away from the epicenter?

Question 3: How can the epicenter of an earthquake be accurately located?

Earthquake

How do seismograph stations help determine an earthquake's epicenter?

Station	Difference Arrival Times (min and sec)	Distance from the Epicenter (km)