

Download File PDF Regents Earth Science Travel Time Curve Answers

#Jenny



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Cool! I'am really happy

#Markus Jensen



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so many fake sites. this is the first one which worked! Many thanks

REGENTS EARTH SCIENCE
Pacing Examiner Worksheet

Name: _____

Part 1. The area below shows the P and S wave arrival time difference determined from seismograms from three different cities for three different earthquake events. Use your knowledge of seismic waves to determine the distance to epicenter for each city/earthquake.

EARTHQUAKE 1		
CITY	DIFFERENCE IN ARRIVAL TIME OF P AND S WAVES	DISTANCE TO EPICENTER DETERMINED FROM TRAVEL TIME CURVE
SEATTLE	3:30	500
DENVER	2:30	300
HOUSTON	4:30	600

EARTHQUAKE 2		
CITY	DIFFERENCE IN ARRIVAL TIME OF P AND S WAVES	DISTANCE TO EPICENTER DETERMINED FROM TRAVEL TIME CURVE
DENVER	2:25	300
HOUSTON	4:10	550
MIAMI	5:40	700

EARTHQUAKE 3		
CITY	DIFFERENCE IN ARRIVAL TIME OF P AND S WAVES	DISTANCE TO EPICENTER DETERMINED FROM TRAVEL TIME CURVE
DENVER	2:20	300
NEW YORK	1:50	200
MIAMI	3:00	400

Part 2. Using the distance to epicenter information above, the map, and the map scale, plot the location of each earthquake. This can be done by drawing circles with the appropriate radius around the cities of record, and identifying where the circles intersect. Be careful to complete one earthquake entirely before moving on to the next! Finally, locate the epicenter location for each earthquake below by identifying the common city, and describing the direction N, S, E or W of that city.

EARTHQUAKE 1: _____

EARTHQUAKE 2: _____

EARTHQUAKE 3: _____

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