Name _____ Date _____

Virtual Earthquake Lab

Go to the following website:
http://www.sciencecourseware.org/VirtualEarthquake/VQuakeExecute.html

Read the first page and answers the questions below.
Then select San Francisco area earthquake. Complete the entire simulation.
After locating the earthquake, also calculate it's magnitude.
Email me your certificate at tyoungberg@ttsd.k12.or.us so I know you did the lab.
One of your partners will choose the next: Southern California, Japan region, and Mexico.

What's an Earthquake?

1. What is an earthquake?

2. Where do most earthquake occur?

3. What are seismic waves?

4. What is the focus?

5. How many earthquakes are recorded by seismographs per year?

What are earthquake (Seismic) Waves?

1. What do seismic waves transfer? _____
2. What can P waves travel through?_____ and _____
3. What can S waves travel through?_____
4. Which is the slower of the two waves? _____

What's a Seismogram?
1. Why are real ones more complicated?
2.

How is an Earthquake's Epicenter Located?

1. How many stations do you need? _____

2. You have to measure the difference between the ___ and ___ time interval.