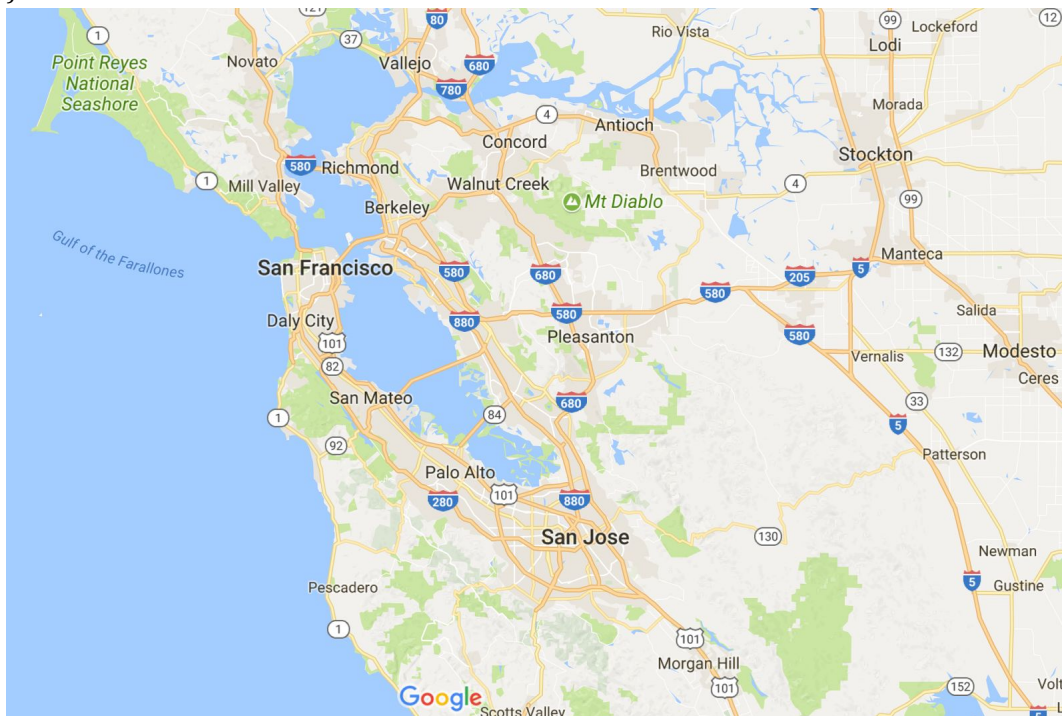


**8**

**Chemistry**  
Homework: Earth's Interior and Chemistry

1. From your experiment with the slinky, which waves do you think would cause more damage: S-waves or P-waves? Explain using sentences and drawings from your experiment.

2. Below is a map of the Bay Area. Draw the potential wave effect if an earthquake strikes on the Hayward Fault (in Berkeley).



3. Look at your definition of convection much earlier in the unit, write it below. Then look at your definition of convection that you wrote down in "Move Hot Stuff." How has the definitions changed and stayed the same?

Convection (early definition)	
Convection (current definition)	
Similarities	
Differences	

Name: \_\_\_\_\_

Period: \_\_\_\_\_

4. We know that California sits on the border of two plates, and as a result has the San Andreas Fault, that constantly makes us worry about “the Big One.” In the space below, draw what California on plate tectonics currently look like and will look like in the next thousands of years.

<b>Current</b>	
<b>Future</b>	