

Name \_\_\_\_\_

**California Earthquake Internet Activity**

Answer the following questions using <http://earthquake.usgs.gov/earthquakes/map/> as a tool. Use the settings menu link on the top right (small gear icon) of the webpage to view the CA map and select the earthquake timeframe required for different questions.

1. Where did the most recent earthquake take place? \_\_\_\_\_
2. How big was it? \_\_\_\_\_
3. What was the largest earthquake that took place in the last week? \_\_\_\_\_
4. Where did it take place? \_\_\_\_\_
5. What time did it happen? \_\_\_\_\_
6. At what Latitude and Longitude? \_\_\_\_\_
7. At what depth? \_\_\_\_\_
8. How far from the biggest city was it? \_\_\_\_\_
9. How big was the earthquake closest to you on the map? \_\_\_\_\_
10. How many earthquakes happened in the last hour? \_\_\_\_ Last Day? \_\_\_\_ Week? \_\_\_\_
11. How many earthquakes happened on the San Andreas Fault? \_\_\_\_\_
12. What was the magnitude of the largest one? \_\_\_\_\_
13. Where was it located? \_\_\_\_\_
14. How many earthquakes happened on the San Jacinto Fault? \_\_\_\_\_
15. What was the magnitude of the largest one? \_\_\_\_\_
16. Where was it located? \_\_\_\_\_
17. How many earthquakes happened on the Elsinore Fault? \_\_\_\_\_
18. What was the magnitude of the largest one? \_\_\_\_\_
19. Where was it located? \_\_\_\_\_

Go to [http://scedc.caltech.edu/recent/Maps/Long\\_Valley.html](http://scedc.caltech.edu/recent/Maps/Long_Valley.html) for recent info on the Long Valley Caldera.

20. How many earthquakes have taken place inside the caldera? \_\_\_\_\_
21. How was the magnitude of the largest earthquake? \_\_\_\_\_
22. How big is the caldera's width? \_\_\_\_\_ Length? \_\_\_\_\_
23. Why do you think scientists are monitoring the caldera's seismic activity?

Go to <http://earthquake.usgs.gov/earthquakes/map/> for the following questions.

24. What was the largest quake in the world this week? Magnitude \_\_\_\_\_  
Where? \_\_\_\_\_

Go to [https://www.conservation.ca.gov/cgs/Pages/Earthquakes/eq\\_chron.aspx](https://www.conservation.ca.gov/cgs/Pages/Earthquakes/eq_chron.aspx)

25. What magnitude and where were the five largest earthquakes in California's recorded history?

Go to <https://www.conservation.ca.gov/cgs/Pages/TeacherResources/faults.aspx>

26. Read through the web page and take notes on the different fault types throughout California. Make sure to record info on the San Andreas Fault, the Sierra Nevada/Owens Valley creation, and the Sierra Madre Fault zone (inland Los Angeles).

Now that you have a vast knowledge of the earthquake potential in California, answer the following question in a well-developed paragraph.

27. How likely do you think you will experience an earthquake greater than 7.0 in your lifetime? Why?