

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 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

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?