

Use the following websites to answer the following questions. Period _____ Date _____

Go to <http://earthquake.usgs.gov/earthquakes/> Click on "Latest Earthquakes"

1. Where is the closest earthquake to Texas within the last day? (state) _____

Go back to <http://earthquake.usgs.gov/earthquakes/> Click on "Learn" then "For Kids" and then "Cool Earthquake Facts."

2. Where did the largest earthquake in U.S. history occur? _____ Magnitude? _____

In the world? _____ Magnitude? _____

3. The East African Rift runs from the country of _____ to _____

What is happening there? _____

4. Define seiche. _____

5. What four states in the U.S. have the smallest number of earthquakes? _____

6. What state is the MOST earthquake prone state? _____

7. What is the difference between a tsunami and a tidal wave? _____

8. What and where is the "Ring of Fire"? _____

Go back to <http://earthquake.usgs.gov/earthquakes/> Click on "Learn" then "Earthquake Glossary"

9. Define "Geomorphology" ---. _____

10. Define Tsunami - _____

Go to back to <https://earthquake.usgs.gov/> Click on "Latest Earthquakes". Zoom out to see the whole world. This shows the earthquakes that have occurred in the last day. Click on "show legend".

11. What was the most recent earthquake? _____

The largest _____ How many occurred in the United States? _____

How many occurred outside of the "Ring of Fire"? _____

Now move to <http://sciencewithkids.com> pull down “education” and then click on “Facts about Volcanoes”.

12. Where are volcanoes found? _____

13. What is the largest volcano in the world is _____ in _____

Then go back and go to page 3 and click on “Plate Tectonics”.

14. What is the theory of plate tectonics? _____

15. Scientists believe there are _____ plates.

16. What is the plate we live on? _____

17. Who is the Father of plate tectonics? _____

18. When two plates are colliding they push rock upward. What else is pushed up to the surface? _____

Go to <https://www.geologyin.com/2016/05/12-facts-you-should-know-about-plate.html>

19. What is the lithosphere? _____

20. When plates meet they form 3 types of boundaries. What are they? _____

21. What is the fourth plate boundary? _____

General Questions: Research and find the answers to the following:

22.. What kind of plate boundary is the Mid Atlantic Ridge? _____

23. What two plates come together in Iceland? _____

24. What is the African Rift Valley? _____

25. What ocean and gulf will eventually flow into East Africa? _____

26. What two plates caused the Himalayas to form? _____

27. Is the San Andreas Fault in California diverging, converging, or transforming? _____

28. What kind of plate boundaries define the Aleutian Islands in Alaska? _____