

Use the following websites to answer the following questions. Go to <http://earthquakes.usgs.gov>

Click on "Earthquakes" and then on "Latest Earthquakes" [Play with the clog button to make various lists.]

1. Where was the closest earthquake to College Station? _____

Date? _____ Magnitude? _____

2. Have there been and earthquakes in the last 30 days around the world that have had a magnitude of 7.0 or above?

Where? _____ When? _____ Magnitude? _____

Where? _____ When? _____ Magnitude? _____

Where? _____ When? _____ Magnitude? _____

Where? _____ When? _____ Magnitude? _____

Where? _____ When? _____ Magnitude? _____

Click BACK to <http://earthquakes.usgs.gov> " Click on "FAQ - Frequently Asked Questions . Click on "For Kids". Click on "Cool Earthquake Facts."

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

Date _____ Magnitude? _____

4. Where did the larges recorded in the world occur? _____

Date? _____ Magnitude? _____

5. The East African Rift runs through what countries? _____

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

7. Define seiche. _____

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

9. What state is the MOST earthquake-prone state? _____

Click on "Earthquake Glossary" [on the left]. Go to the following words and do the task asked of you.

10. Define: Geomorphology _____

What picture is used to show what this term means. _____

11. What is a tsunami? _____

WAY TO GO - Now let's move to volcanoes. Now go to: <http://www.infoplease.com/ipa/A0197833.html>

Click on Teaching/Learning, then click on Volcano Facts and then click on the Deadliest eruptions.

12. List the five deadliest eruptions, the place, the year, and the cause of death.

Go to: <http://pubs.usgs.gov/gip/dynamic/dynamic.html> Scroll to "Contents." Answer the questions from the boxes of topics. Click on "Preface" for your first question.

13. When did the theory of plate tectonics begin? _____

Click "Back" and then click on the box designated "Historical Perspective."

14. In geologic terms what is a plate? _____

15. What does the word tectonics mean in Greek? _____

16. What does Pangaea mean in Greek? _____

Scroll down to the diagrams

17. How many years ago does Pangaea date back to? _____

Scroll down to the diagram labeled "tectonic plates" and click.

18. What is the name of the plate we live on? _____

19. How many plates make up the Earth? _____

Click "Back" and scroll to bottom of page to "Sidebar". Click on "Inside Earth".

20. What do they compare the earth's crust to? _____

21. What are the two elements that make up the core in the diagram? _____

Scroll to the bottom and click back on Historical Perspective. Scroll to bottom of page and click on Contents.

Click on Understanding Plate Motions. Read about the four types of plates boundaries.

22. Name the four types of plate boundaries and describe what they do.

Click on the "Illustration of the Main Type of Plate Boundaries." Look at the illustration closely.

Click "Back" and scroll down to "Mid Atlantic Ridge".

23. What does this ridge split? _____

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

25. What two plates come together in Iceland? _____

Scroll down and click on "Historically Active Volcanoes, East Africa."

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

Click "Back" and Scroll down.

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

Scroll down to "Transform Boundaries." Look at the visual, the San Andreas Fault.

28. Below the picture it is stated how much the plate moves each year. How much? _____

29. Is the San Andreas Fault diverging, converging, or transforming? _____

Scroll to bottom and click "Hotspots."

30. Where do most earthquake and volcanic eruptions occur? _____

31. What is an example of an exception? _____

Scroll down and click on "Prominent World Hotspots." This shows the four types of plate boundaries again.

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

Click Back, then scroll to bottom, click Contents. Click on "Plate Tectonics and People".

Scroll to Earthquakes.

33. What do people say will happen to California if the "Big One" hits? What do the experts say will happen if the "Big One" hits? _____

