Earthquake Webquest

Earth Science

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_

Part 1. Go to: <http://earthquake.usgs.gov/learning/kids/eqscience.php>

Answer each of the following in complete sentences for full credit.

1. What is an earthquake?

* foreshock:
* mainshock:
* aftershock:

2. What causes earthquakes and where do they happen?

3. Why does the earth shake when there is an earthquake?

4. How are earthquakes recorded?

5. How do scientists measure the size of earthquakes?

6.  Describe P waves.

7. Describe S waves.

8. How can scientists tell where the earthquake happened?

9. Can scientists predict earthquakes?

Part 2. Go to:

<http://www.geography4kids.com/files/earth_faulting.html>

10. What happens when two plates meet?

11. Describe folding:

12. Describe faulting:

13. What are dip slips?

14. What is a strike slip?

15. What causes earthquakes?

16. What can earthquakes do to change the landscape?

17. Why can we feel earthquakes hundreds of miles away?

Part 3. Pick from the following sites to explore Earthquakes in greater detail.

**Beat the Quake**

<http://www.dropcoverholdon.org/beatthequake/game/>

High Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Stop Disasters**

<http://www.stopdisastersgame.org/en/home.html>

High Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_