Earthquake!!!

1. Go to <http://adjr06.tripod.com/id8.html>

There are the main types of plate movement boundaries.

Draw them here, explain what happens, and give an example.

Convergent Divergent Transformative

2. Go to <http://geology.com/pangea.htm>

Explain what Pangea was. Use illustrations to show this proposed process.

3. Check your understanding here!

<http://www.learner.org/interactives/dynamicearth/drift3.html>

4. Watch this 1 minute video about the MidAtlantic Ridge <http://www.youtube.com/watch?v=sgDM6m0lUGY>

What is the Mid Atlantic Ridge? Provide a diagram, and explanation.

What type of boundary is the ridge?

5. Go to <http://www.nature.nps.gov/geology/usgsnps/pltec/converge.html>

What happens at convergent plate boundaries when the plates are:

Oceanic and Continental (give and example in the world)

Oceanic and Oceanic (give and example in the world)

6. Go to <http://www.learner.org/interactives/dynamicearth/slip3.html>

What is a rift?

7. Test your understanding of plate boundries at <http://www.learner.org/interactives/dynamicearth/slip4.html>

8. Go to <http://www.weatherwizkids.com/weather-earthquake.html>

Watch this video too! <http://youtu.be/-zNyVPsj8zc>

What is and earthquake?

<http://earthquake.usgs.gov/learn/topics/mag_vs_int.php>

What does magnitude mean?

9. Go to this interactive. What causes earthquakes?

<http://www.pbs.org/wnet/savageearth/animations/earthquakes/index.html>

10. <http://earthquake.usgs.gov/earthquakes/map/>

Where are current earthquakes happening?

11. Now go to <http://dsc.discovery.com/guides/planetearth/earthquake/interactive/interactive.html>

Earthquake damage human structures for many reasons. Run this simulation and report what you discovered.

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| **Ground** | **Prevention** | **Magnitude** | **Result** |
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