Plate Tectonics Review

Name:

Period:

For this review, you will be searching for answers in a particular website. Read the directions carefully to make sure you are looking on the correct page for your answers.

1. Go to http://www.geography4kids.com

2. Click on EARTH STRUCTURE under the main picture.

3. You should now be on a page titled About The Earth.

4. Scroll down to The Plates and Mantle, and read that section.

The crust is broken up into pieces. What are these pieces called?

What are the pieces of crust floating on?

5. Click on Structure from the menu on the right side of the screen.

6. You should now be on a page titled Breaking Apart the Structure.

7. Find Ocean Zones, and read that section. Be sure to look at the diagram right above it, too.

What is the deepest part of the ocean?

What is the most shallow part of the ocean?

8. Click on Tectonics from the menu on the right side of the screen.

9. You should now be on a page titled Plates Are Moving Beneath You. Start reading.

How fast do tectonic plates move?

Tectonic plates float on molten rock. What makes this rock molten?

10. Look at the two diagrams showing a zone of convergence, and a zone of divergence.

In which zone would you expect to find fresh magma coming up from the mantle?

Why?

Work: 16 points

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In which zone would you expect to find crust being melted?

Why?

11. Read the section titled Scientific Evidence carefully.

How did the shapes of continents help scientists support the idea of plate tectonics?

How did fossils help scientists support the idea of plate tectonics?

How did rocks help scientists support the idea of plate tectonics?

12. Click on Earthquakes from the menu on the right side of the screen.

13. You should now be on a page titled When The Ground Moves. Start reading.

According to the website, what are earthquakes?

Why do continental plates break?

14. Scroll down to Built For Quakes, and read that section.

What is it about an earthquake's movement that makes some houses collapse during an earthquake?

Work: 16 points