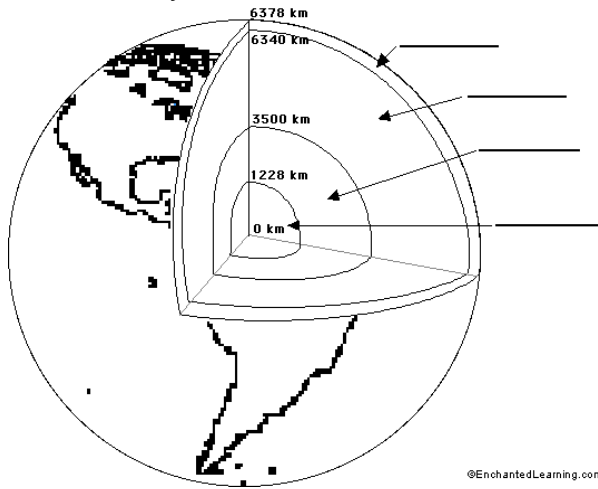


Earth's Changing Surface Test Review

1. Label the layers of the earth.



2. Describe each of Earth's layers.

3. What 3 pieces of evidence did Wegener use to prove his theory of Continental Drift?

- 1.
- 2.
- 3.

4. Explain why geologists did not accept Wegener's theory of Continental Drift?

5. What discovery caused scientists to rethink Wegener's Continental Drift theory?

6. What provides the force that moves tectonic plates?

7. Explain how convection currents in the mantle move the crust above.

Name _____

Due Date _____ Period _____

8. Describe the theory of Plate Tectonics.

9. Describe the process of sea floor spreading.

10. What 3 pieces of evidence did Hess use to prove his theory of sea floor spreading?

- 1.
- 2.
- 3.

11. What is the difference between the age of the oceanic crust and the continental crust?
Why is there a difference?

12. If new oceanic crust is continually being created why isn't the Earth getting bigger?

13. Where does most tectonic activity occur?

14. Draw a picture of what type of movement occurs at each type of plate boundary.

Type of Boundary	Diagram
Convergent	
Divergent	
Transform	

Name _____

Due Date _____ Period _____

15. Fill in the Plate Boundaries chart below:

Type of Boundary	Crustal Formation	Example
Convergent	Oceanic – Oceanic 1. 2.	
	Oceanic - Continental 1. 2.	
	Continental – Continental 1.	
Divergent	1. 2.	
Transform		

16. What is a hot spot? What may form as a result of a hot spot?

17. How do Newton's Laws of Motion apply to plate tectonics?

18. What do topographic maps show?

Name _____

Due Date _____ Period _____

19. What are contour lines?

20. How are steeper areas represented on topographic maps?

21. How are gradual slopes represented on topographic maps?

22. What would you look for in a series of topographic maps to determine that erosion has occurred?

23. How can satellite technology assist with studying the effects of erosion?

24. Draw a picture of what the following topographic map shows.

