

Name _____

Date _____

Plate Tectonic Theory Study Guide

1. Who was Alfred Wegner?
2. Where do crustal features, such as volcanoes and mountains, form on Earth?
3. What is the Theory of Continental Drift?
4. How is new oceanic crust formed?
5. What does the discovery of similar fossils on different continents provide evidence of?
6. At which tectonic plate boundary can young land formations be found?
7. What information supports the evidence that geological features, such as the Appalachian Mountains, match on continents across the ocean?
8. Why do the continents look like they fit together like a puzzle?
9. What is Pangaea?

10. What is a Divergent Boundary? What types of landforms does it form?

Draw a picture of a Divergent Boundary

Forms:



11. What is a Transform Boundary? What types of landforms does it form?

Draw a picture of a Transform Boundary

Forms:



12. What is a Convergent Boundary? What types of landforms does it form?

Draw a picture of a Convergent Boundary

Forms:



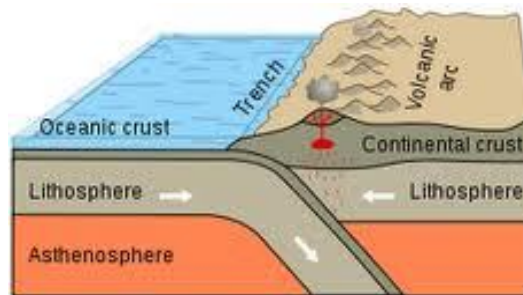
13. What forms when 2 continental crusts converge?

14. What forms when an oceanic and continental crust converge?

15. How are volcanic islands formed?

16. What is convection current?

17. Why does the Earth not get any bigger when new land is produced by divergent boundaries?
18. What evidence was discovered in the 1960's that helped support the Theory of Plate Tectonics?
19. Which plate boundary is responsible for forming Rift Valleys?
20. Which plate boundary is responsible for forming mid ocean ridges?
21. What is the Ring of Fire and which plate boundaries created it?
22. If you look at a map of the Earth, which 2 continents look like they fit together like pieces of a puzzle?
23. How are mountains formed?
24. At which boundary can a trench be found?
25. What is happening to the oceanic crust in the subduction zone below?



26. Where is the youngest crust found in the picture below?

