

Name: _____

Date: _____



Plate Tectonic Scavenger Hunt



DIRECTIONS: Go To the Earth's Changing Surface website to answer the following questions. 😊

1. On what date did Mount Saint Helen's erupt? _____

2. What was the force that caused the eruption? _____

*Go to the Earth's Surface Link

3. You and I live on the Earth's LITHOSPHERE. What is the lithosphere?

The lithosphere is _____

4. The lithosphere is divided into sections or pieces called _____. These are floating on the _____ which is made of thick, gooey, molten rock.

5. What happens when plates move? (3 Things)

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*Go to the Volcano Link

6. What determines how a volcano will erupt? (2 Things)

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7. What are the three basic shapes of volcanoes?

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8. Mount Etna in Italy is what type of volcano? _____

9. Mauna Loa in Hawaii is what type of volcano? _____

*Go to the Earthquake Link

10. What is an earthquake? _____

11. What are the 3 types of faults found on Earth?

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*Fill in the following chart with the missing information.

Types	Description	Boundary Type
	pushing together	
tension		
		Transform

12. Scientists measure the surface waves of earthquakes by using an instrument called a _____.

13. A _____ is a person who studies seismic waves and earthquakes.

14. Scientists use the _____ Scale to measure the magnitude or strength of an earthquake.

*Go to Mountain Maker Earth Shaker Website.

*Go to the Intro to Plate Tectonic Theory.

15. What is Plate Tectonics? _____

*Go to The Sea Floor Spread.

16. In the box draw a diagram of sea floor spreading.



17. Where is the longest mountain chain on Earth found and how long is it?

18. How fast is new ocean floor being created?

- Between North American and Europe? _____
- At the East Pacific Rise? _____

*Go to The Continental Slide Link (Convergent Boundary)

19. In the box draw a diagram of the Convergent Boundary.



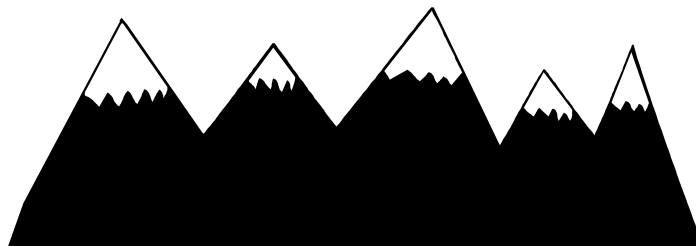
20. Why does the Earth stay the same size? _____

21. The word subduct means to _____.

22. _____ appear at convergent boundaries caused by the oceanic plate bending downward into the Earth.

*Go to The Continental Crush Link (Collisional Boundary)

23. In the box below draw a diagram of the Collisional Boundary.

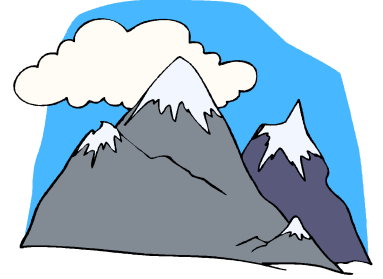


24. What type of landform is created when 2 continental plates or land masses come together? _____

25. What are the highest mountains on Earth right now that are still growing taller as we speak? _____

25. Name 2 other mountain ranges in the world that were created at a Collisional Boundary of two plates.

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*Go to the Slippin' and a Slidin' Link (Transform Boundary)

26. In the box draw a diagram of the Transform Boundary.

27. A famous example of a transform boundary is the

_____.

28. In about 16 million years the city of Los Angeles will be located _____ miles _____ of the city of San Francisco.

*Go to the Playing with Time website and watch the movement of the Earth's plates over time.

29. What is the name of the super-continent that once existed on Earth? _____ which means "All Earth."



*Go to the Plate Tectonics Website and click on The Mechanism Driving Plate Tectonics Link.

30. What are the 4 main features of plate tectonics according to this website?

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*Go Back to Mountain Maker/Earth Shaker website and complete the Plate Tectonic Activity. ☺

