

Name: _____ Period: _____

Plate Tectonics Web Quest To access this site, follow the directions below:

1. Google search: Plate Tectonics Web Quest

2. Look for the following website and click on it. Earth Floor: Plate Tectonics - Exploring the Environment
www.cotf.edu/ete/modules/mse/earthsysflr/plates1.html Full and clear information about Plate Tectonics: Convergent Boundaries, Divergent Boundaries, Transform Boundaries.

3. Use the website to find the answers to the following questions. Write your answers in the space provided under each question. Answer the following questions:

1. What is the Earth's outermost layer? _____

2. How many large plates are there and what are their names? _____ List the names below:

3. How fast do plates move? _____ Click on Convergent Boundaries

4. Look at the diagram of the convergent boundary. Copy and label the convergent boundary in the space below:

5. Explain what happens at a convergent boundary involving an oceanic plate and a continental plate. Discuss the features formed at each plate and the aftereffects of the colliding plates.

6. Explain why it might be dangerous to live near a convergent boundary. _____

7. Identify two ways the danger of living near a convergent boundary can be lessened. a.

 b.

Click on Next

8. Look at the diagram of the divergent boundary. Copy and label the divergent boundary in the space below:

9. Explain what happens at divergent boundaries.

10. Identify two physical features associated with a divergent boundary?

a. _____ b. _____

11. Name two land rift valleys found in the world. Also, identify their locations. a.

b. _____

12. Name two oceanic rifts (ridges) found in the world. Also, identify their locations.

a. _____ b.

Click on Next

13. Look at the diagram of the transform boundary. Copy and label the transform boundary in the space below:

14. Explain what happens at a transform boundary.

15. What occurs with movement along transform boundaries? _____

16. Why is it projected that Los Angeles and San Francisco will someday be cities next to each other? Explain.
