**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

Use the link to go to the website, “**This Dynamic Earth: the Story of Plate Tectonics.”** All information can be found there. <http://pubs.usgs.gov/gip/dynamic/dynamic.html> Record all your answers on a separate sheet of paper.

1. Explain the “Theory of Plate Tectonics.”
2. Why is it said that the Earth is restless?
3. Explain the significance of *Thesaurus Geographicus.*
4. Explain Alfred Wegener’s concept of Pangaea and the evidence he used to support it.
5. Why was Wegener’s *theory of continental drift* rejected by scientist?
6. Explain in detail each of the four major scientific developments that spurred the formulation of the *plate-tectonics theory*.
7. Describe the processes that occur at each of the four types of plate boundaries. Provide an example of each type. Draw an illustration of each type.
8. Explain Henry Hess’ contribution to the theory of plate tectonics.
9. Specifically describe the formation of the Himalayas.
10. How do we currently track the movement of tectonic plates?
11. Explain how the Hawaiian Islands were formed? How do we know that the islands were not formed at the same time?
12. Explain the processes that are driving the movement of tectonic plates?
13. Compare and contrast oceanic and continental crust.
14. Describe the natural hazards caused by plate tectonics.
15. Explain how plate tectonics contribute to natural resources.