Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Plate Tectonics Webquest

**Purpose**

The purpose of this lab is to investigate plate tectonics. [[1]](#endnote-2)

**Procedure**

 **Materials**

1. Internet Access

**Sequence of Steps**

1. ![C:\Users\Angela\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\DRP2N1IJ\MCj04242300000[1].wmf]()Go to the following website: <http://volcano.und.nodak.edu/vwdocs/vwlessons/plate_tectonics/introduction.html>
2. Use the website to complete the webquest questions listed below.

![C:\Users\Angela\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\DRP2N1IJ\MCj04242300000[1].wmf]()

**Webquest Questions**

1. List the three key points of the theory of plate tectonics:
	1.
	2.
	3.
2. List the three chemical layers of Earth’s crust and what each layer is made of:
	1.
	2.
3. What is the lithosphere?
4. What is the aesthenosphere?
5. What was Wegener’s evidence that Pangea once existed?
	1.
	2.
	3.
	4.
6. Who actually accepted Wegener’s ideas? Why?
7. How tall is the Mid-Atlantic Ridge?
8. At what ocean depth does the Mid-Atlantic Ridge begin?
9. What was Harry Hess’ explanation of the “global rift system”?
10. What was studied as one test of the sea-floor spreading hypothesis?
11. What are the three types of plate boundaries?
	1.
	2.

1. (2008).Plate Tectonics Webquest. *Atwater High School Agriculture Department.* [↑](#endnote-ref-2)