*This worksheet must be completed and checked by Mr. Grimes before you are allowed to retake the Plate Tectonics Quiz (30 pts).* ***Retakes must be completed by 3:30 PM, Feb 21, 2014.***

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|  Draw how a volcanic island forms at a plate boundary in the ocean. You must label the plate boundary, plate movement, and all features associated with this formation. |
|  Draw how a volcanic mountain forms at a plate boundary where an ocean and continent meet. You must label the plate boundary, plate movement, and all features associated with this formation. |
| Draw how the mid-ocean ridge forms at a plate boundary in the ocean. You must label the plate boundary, plate movement, and all features associated with this formation. |
| 1. Draw how a folded mountain range forms at a plate boundary on land. You must label the plate boundary, plate movement, and all features associated with this formation. |

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| Draw the lithosphere and asthenosphere. | Draw a scale model of the main layers of Earth. |
| What is the evidence for sea floor spreading? | Who is Alfred Wegener? What evidence supports continental drift theory? |
| Describe the 3 ways heat may be transferred and describe. | Why was continental drift theory originally rejected? |
| Draw how a rift valley forms at a plate boundary on land. You must label the plate boundary, plate movement, and all features associated with this formation. |