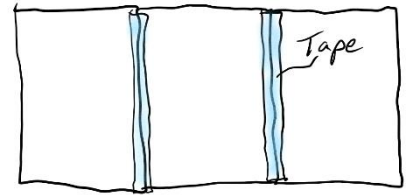


**ESS Plate Tectonics Test**

Name: \_\_\_\_\_

**(Easier Version – you get to keep 80% of the points that you earn)**

Part 1: You have been given three sheets of paper. Tape them together to make continuous Plate Tectonics diagrams. Along the bottom of the page there are cross section diagrams, and along the top of the page there are satellite view diagrams.



Part 2: Across the middle of the page, in the spaces provided, write the names of the plate boundaries that are shown in the diagrams.

Part 3: On the cross-section diagram, label all of the following **in at least one location**.

- Subduction zone
- Mid-ocean ridge
- “New ocean crust forming”
- Composite cone volcano
- Shield cone volcano
- Ocean trench
- Tall mountains (that are not volcanoes)
- Hotspot
- Rift valley

Part 4: On the cross-section diagram, label each of the following **in at least one location** and describe it as either “more dense” or “less dense.”

- Seafloor sediment
- Mantle
- Continental Crust
- Ocean Crust

Part 5: On the satellite-view diagram, label each of the following **in at least one location**.

- Transform boundary
- Tall mountains (that are not volcanoes)
- Mid-ocean ridge
- Ocean trench
- Composite cone
- Shield cone
- Hotspot
- Rift Valley

Part 6: Explain why the plates and mantle move. On the cross-section diagram...

- Choose one moving plate. Add a label explaining why it is moving.
- Choose one rising current in the mantle. Add a label explaining what causes that current to rise.
- Choose one sinking current in the mantle. Add a label explaining what causes that current to sink.