Plate Tectonics: An Exercise in Boundaries

In the following activity you will explore the interactive Plate Tectonics Boundaries Map to locate and describe various types of boundaries. Make sure you zoom in on the map to see how each of the different boundaries look.

Explore the interactive Plate Tectonics Boundaries Map:

<http://geology.com/plate-tectonics.shtml>

**1. Convergent Boundaries:**

On the interactive map locate at least one convergent oceanic boundary and at least one continental boundary and complete the following for each:

1. Name the convergent boundary.
2. Name the lithospheric plates involved.
3. Describe the location where the boundary occurs.
4. Based on what you know about convergent plates, describe the types of geological features that occur at this boundary. Explain why they occur there.

**2. Divergent Boundaries**

On the interactive map locate at least one divergent and complete the following for each:

1. Name the divergent boundary.
2. Name the lithospheric plates involved.
3. Describe the location where the boundary occurs.
4. Based on what you know about convergent plates, describe the types of geological features that occur at this boundary. Explain why they occur there.

**3. Transform Boundaries**

On the interactive map locate at least one transform boundary and complete the following for each:

1. Name the transform boundary.
2. Name the lithospheric plates involved.
3. Describe the location where the boundary occurs.
4. Based on what you know about convergent plates, describe the types of geological features that occur at this boundary. Explain why they occur there.