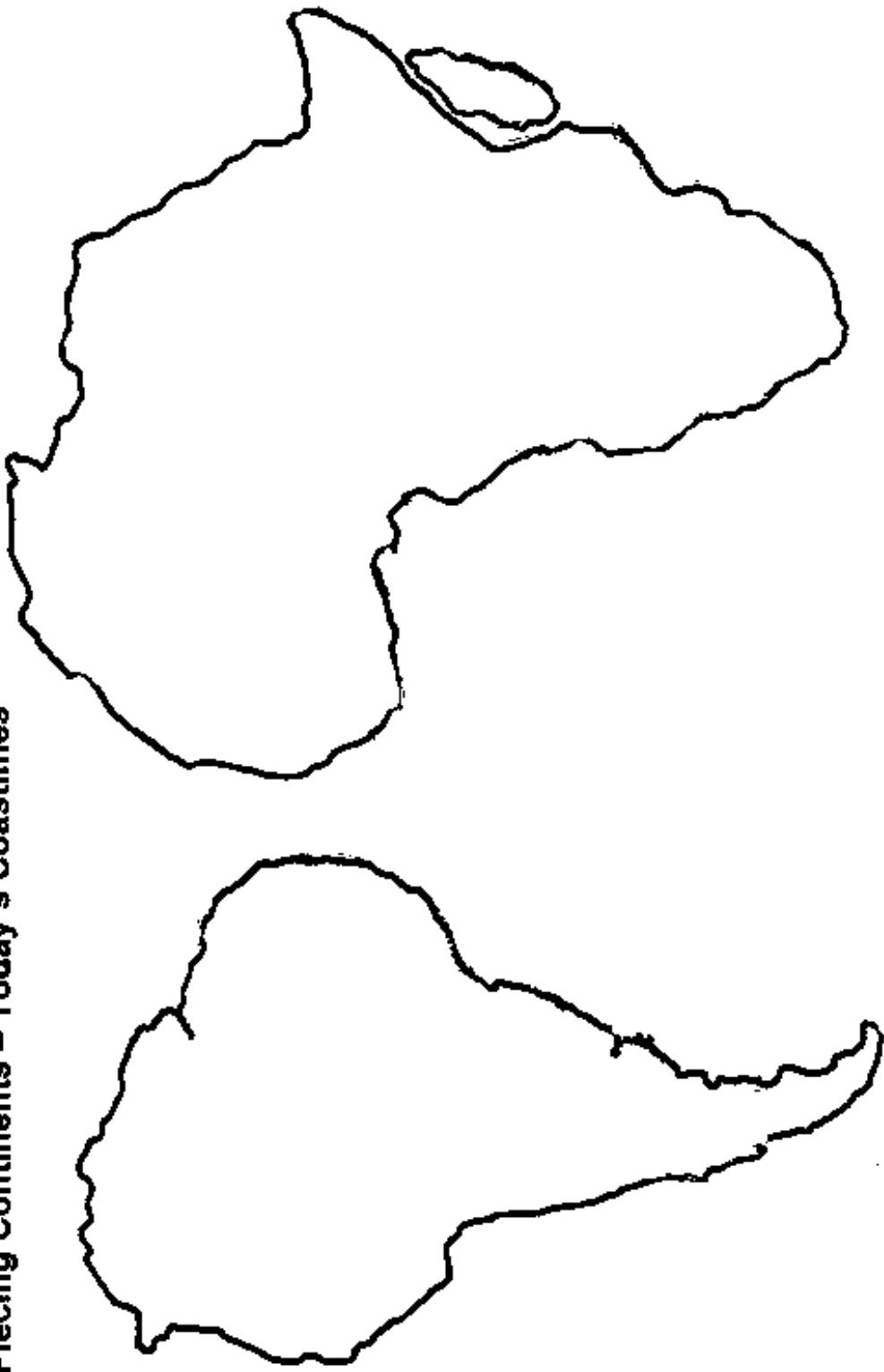
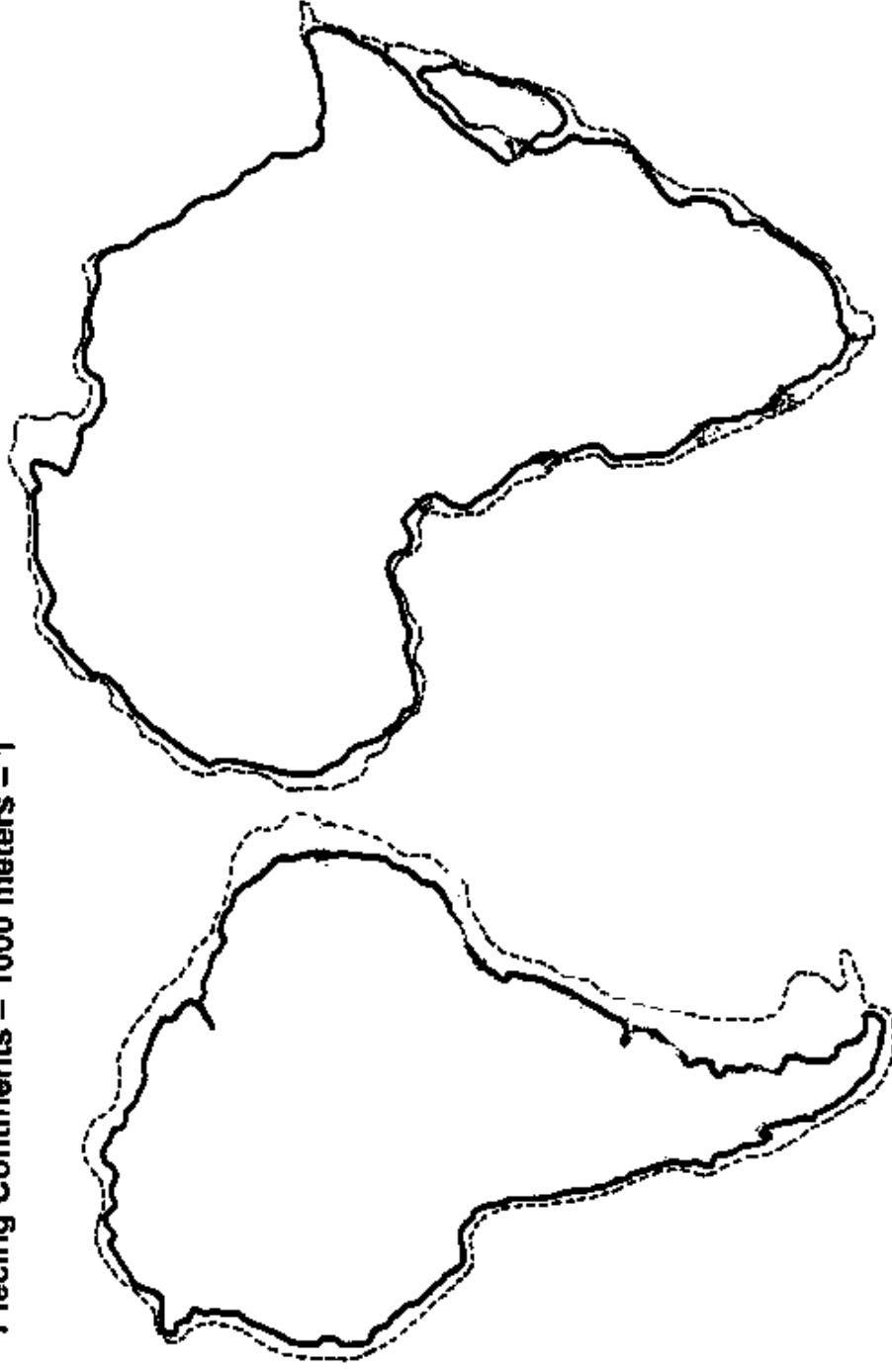


**Piecing Continents – Today's Coastlines**



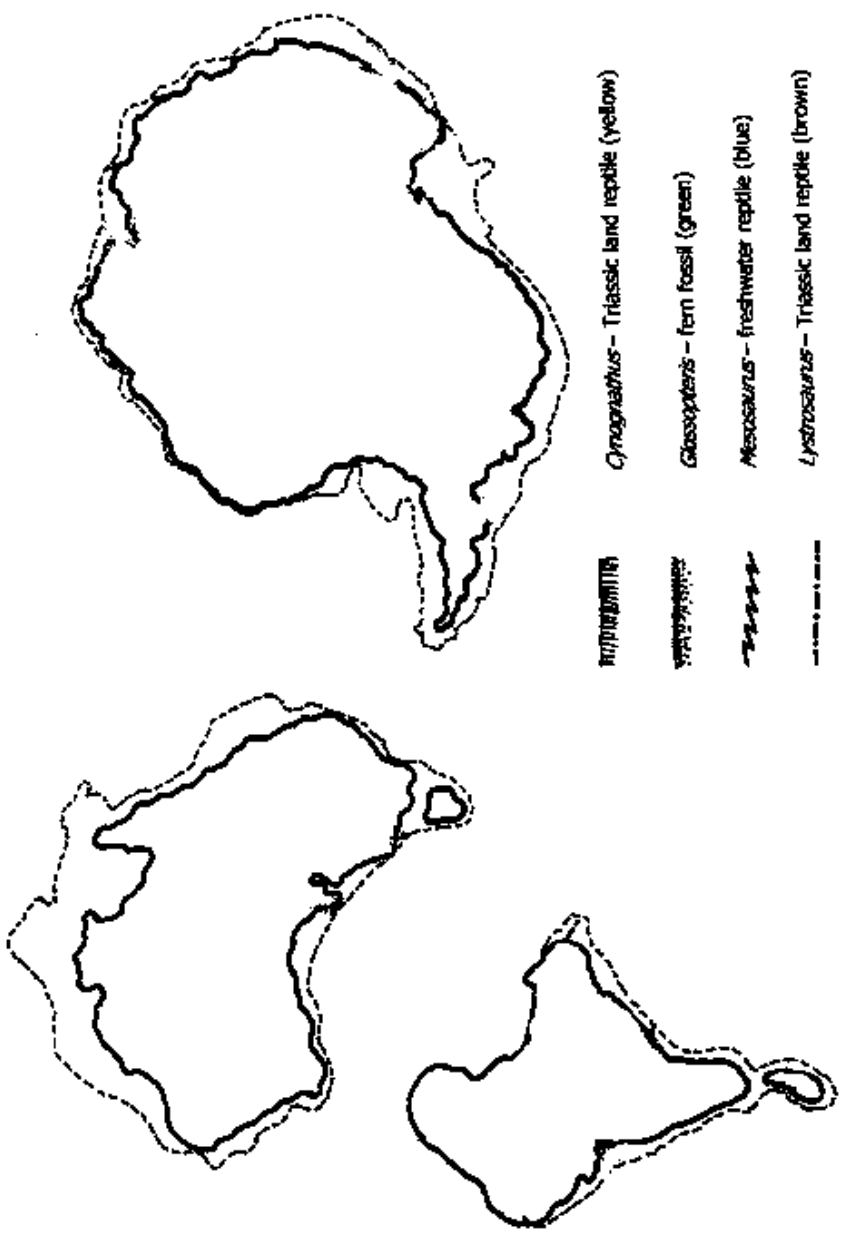
**Piecing Continents – 1000 meters – 1**







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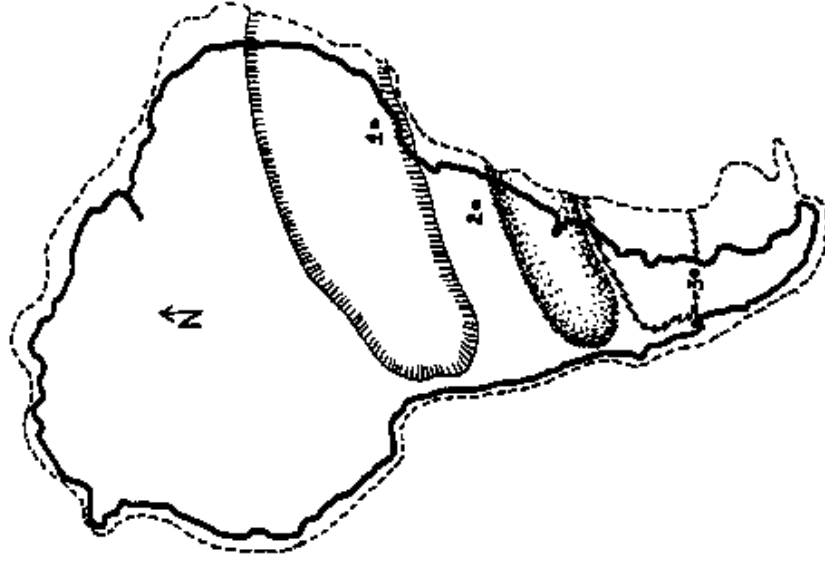
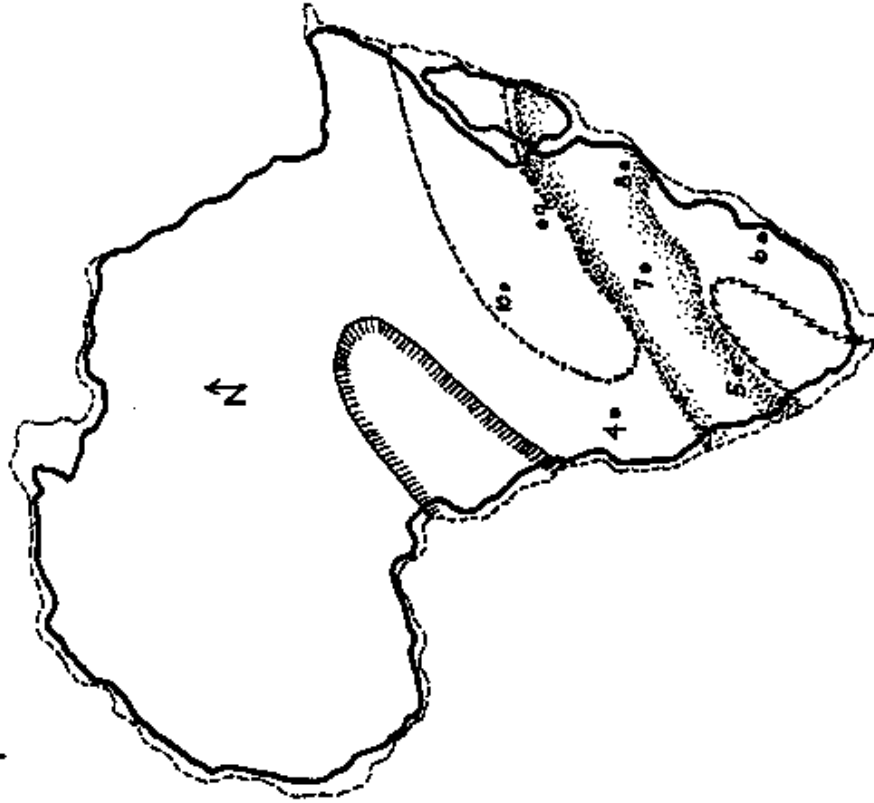
4<sup>th</sup> Grade Earth Science  
Plate Tectonics (Draft Aug. 2001)

Piecing Continents – 1000 meters – 2

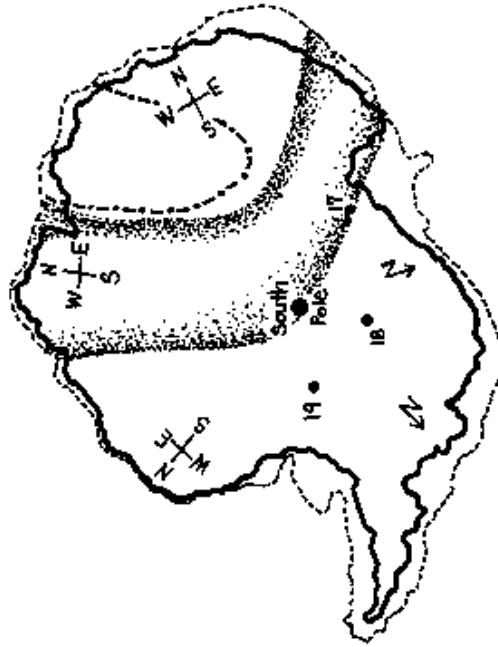
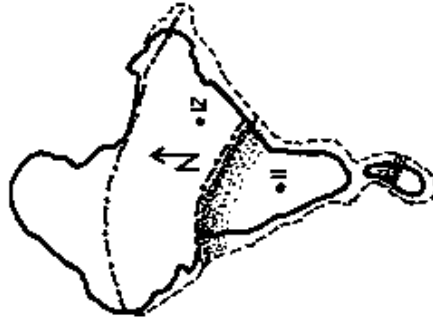
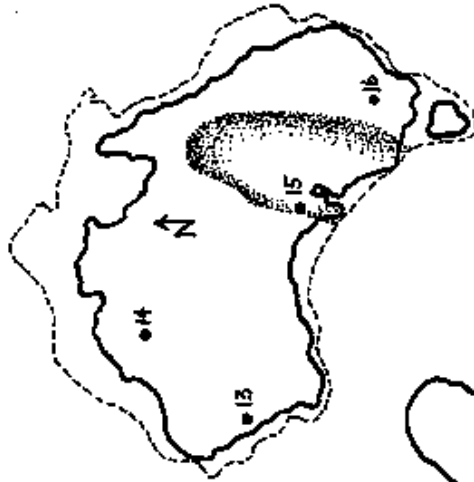






-  *Cynognathus* – Triassic land reptile (yellow)
-  *Glossopteris* – fern fossil (green)
-  *Mesosaurus* – freshwater reptile (blue)
-  *Lystrosaurus* – Triassic land reptile (brown)

**Piecing Continents – Answer Keys – 1**



## Piecing Continents – Answer Keys - 2



-  *Cynognathus* – Triassic land reptile (yellow)
-  *Glossopteris* – fern fossil (green)
-  *Mesosaurus* – freshwater reptile (blue)
-  *Lystrosaurus* – Triassic land reptile (brown)

### **Piecing the Continents Together**

1. What evidence did Wegener first use to put the continents together?
  
2. You're a scientist living at the same time of Wegener in the early 1900's. You are skeptical of his theory. List at least three things you would question him about.
  - a.
  - b.
  - c.
  
3. Do you think the 1000 meter coastline is a better fit than today's coastline? Why or why not?
  
4. How can you explain that there are no marine fossils represented on the five continents?
  
5. Mesosaurus and Lystrosaurus are extinct today. How does this fact further support the theory of continental drift?
  
6. Gondwanaland is the name geologists give the southern landmass. Name the present-day continents that formed the ancient continent of Gondwanaland.
  
7. When Gondwanaland was a continent, where was the continental glacier centered?
  
8. Which of these continents are still covered by glaciers today?
  
9. Explain why don't you find glaciers on the other continents today?