

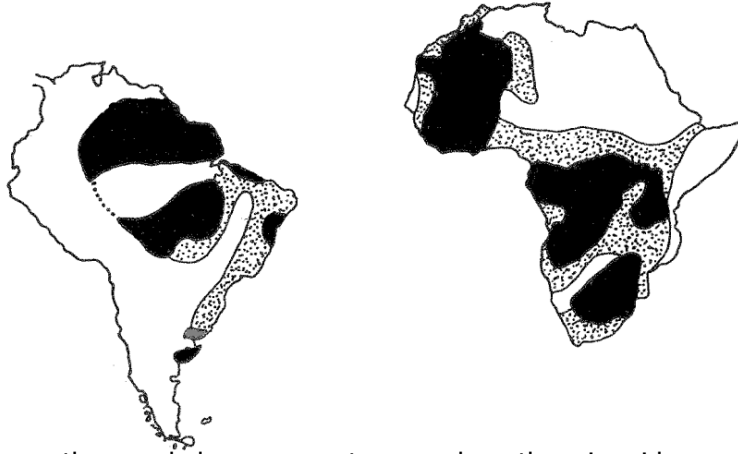
## Pangaea Puzzle

### DUE:

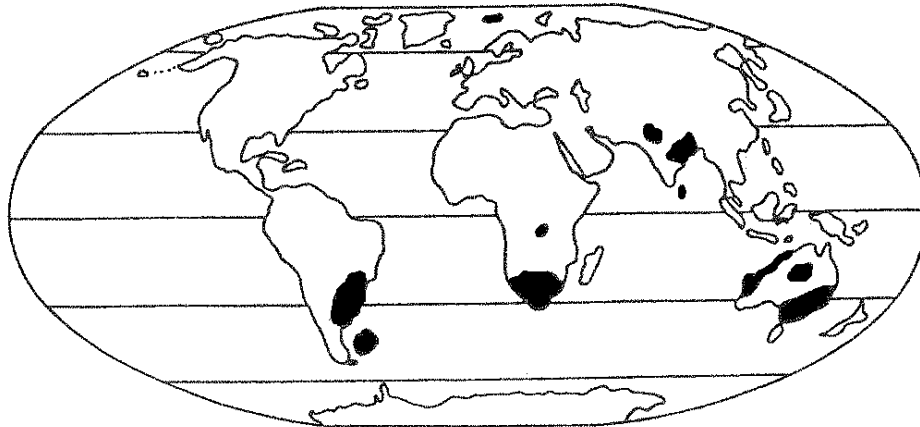
**Purpose:** Use the evidence for continental drift shown below to construct a map of Pangaea.

**Evidence and Directions:**

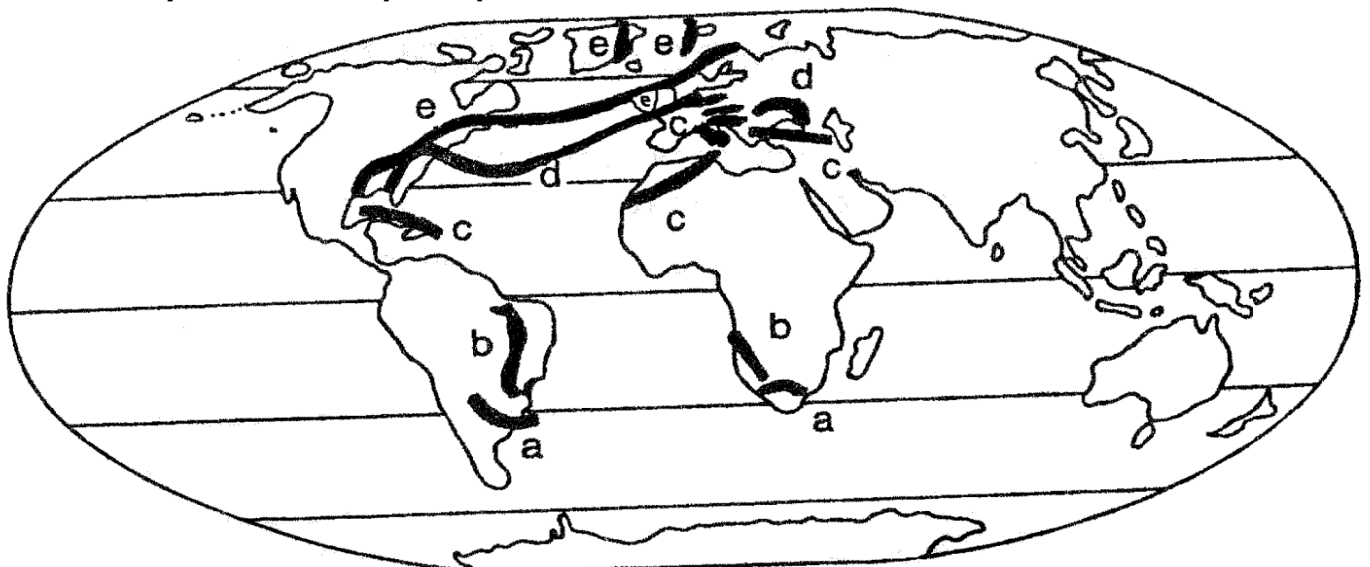
1. The map below shows matching **geologic provinces** (areas with the same type of rock or the same features) in Africa and South America. **On your continents puzzle pieces, color each geologic province a different color. Color the rest of the continents one color.**



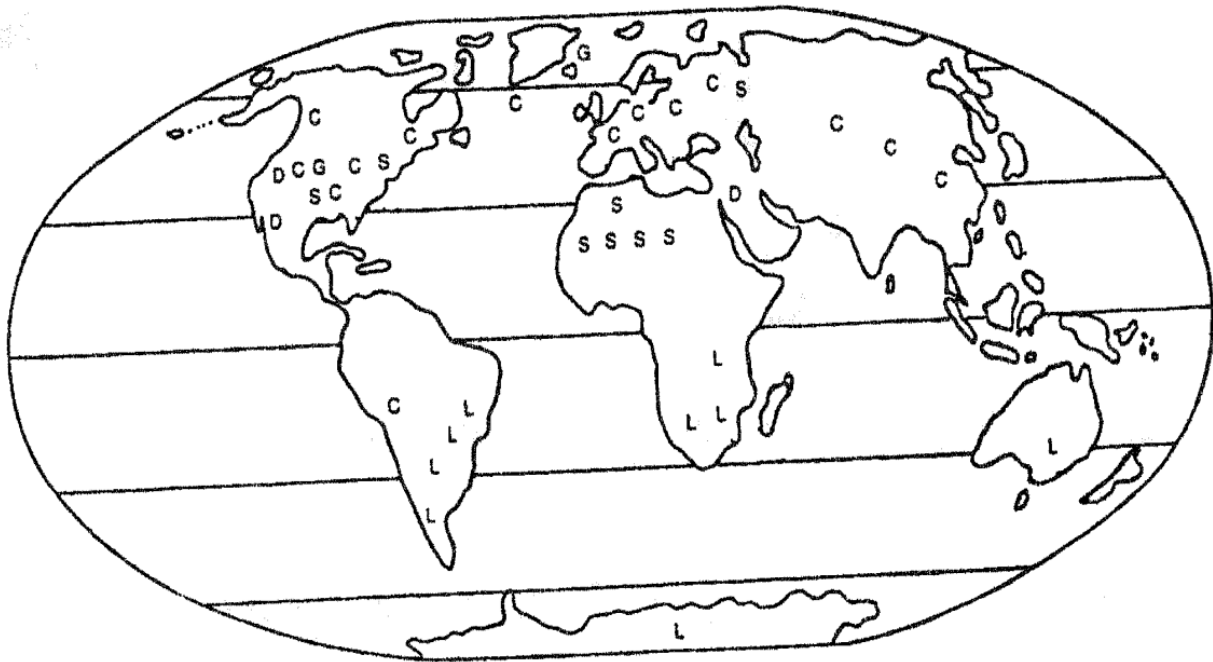
2. The shaded areas on the map below represent areas where there is evidence of **glaciation** (formation/existence of glaciers) during the late Paleozoic Era (about 250 million years ago). **On your continents puzzle pieces, color the areas where there was glaciation one color.**



3. The lines on the map below connect Paleozoic mountain belts on continents on either side of the Atlantic Ocean. Matching letters represent matching mountain belts. **Write all of the letters of the mountain belts on your continents puzzle pieces in lowercase letters.**



4. The various letters on the map below represent evidence for the location of climate zones during the Carboniferous Period (300 million years ago). Scientists have been able to determine the location of these zones after studying rocks, fossils, and other evidence. **Write all of the letters of the climate zones on your continents puzzle pieces in CAPITAL LETTERS.**

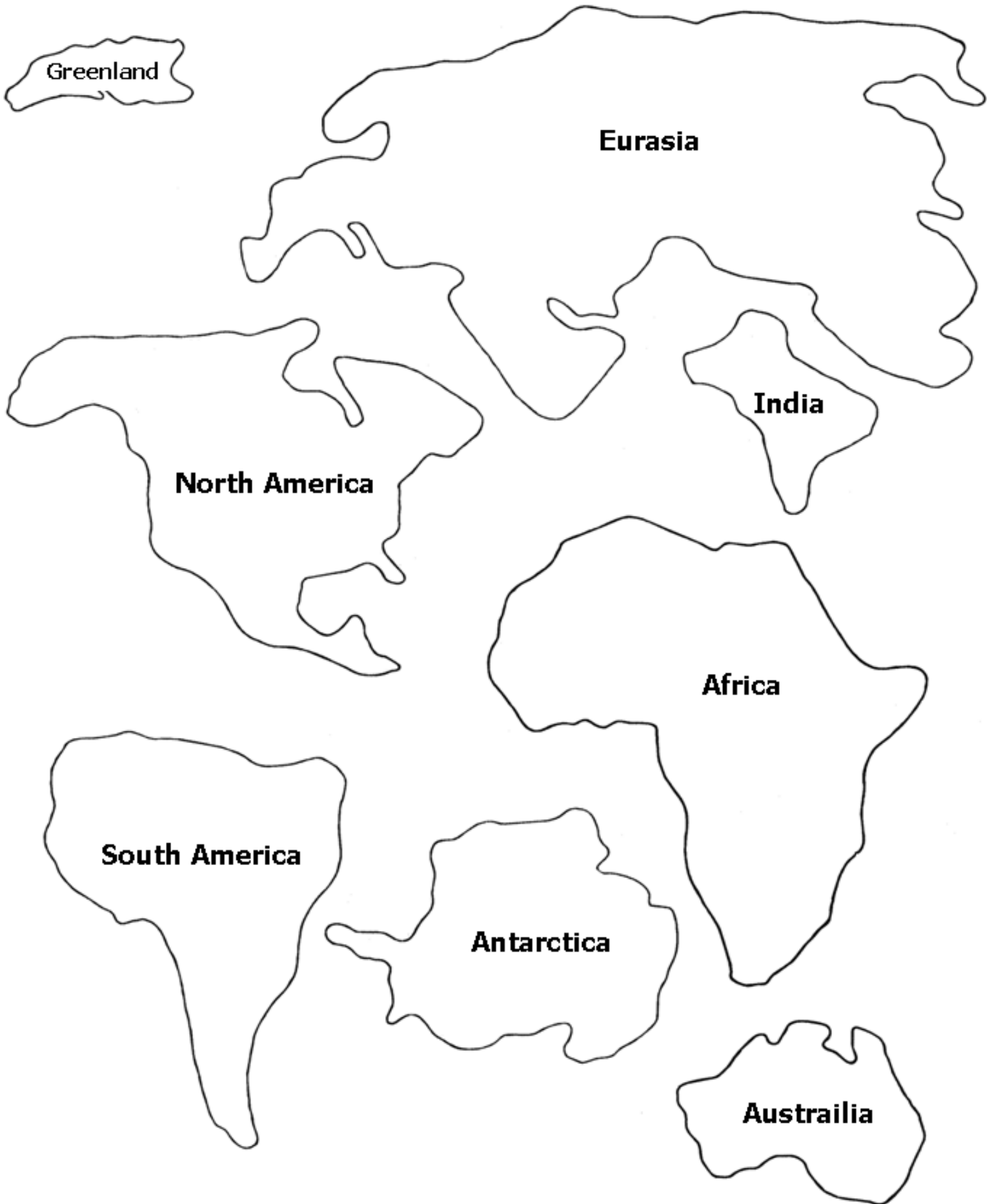


C= Coal deposits  
 S= Salt deposits  
 G= Gypsum deposits  
 D= Desert sandstone deposits  
 L= Glacial deposits

5. Once you have completed steps 1-4, carefully cut out the pieces of your continents puzzle and put them together. Use their shape and the evidence above to help you! Once you are satisfied with their positions, you may glue them onto a piece of construction paper.
6. Connect the matching mountain belts by drawing lines between each matching letter.
7. Make a **key for your map**. Be sure to include how you colored:
- Geologic provinces (2)
  - Glaciation
  - Mountain belts
  - Climate Zones (C=Coral deposits, etc.)
8. Draw a **compass rose** in the corner of your map. A compass rose shows, **North, South, East, West, NW, NE, SW, SE**. Draw it on the excess paper from your continent puzzle, then glue it to the construction paper.
9. Title your map (and spell Pangaea right!). Be sure your name and period is on your map.

**Rubric:**

Category	Description	Points Possible	Points Earned
<b>Evidence</b>	Had all 4 pieces of evidence on map: 1. Geologic Provinces (2) = 20 pts 2. Glaciation = 10pts 3. Climate Zones (5) = 10pts 4. Mountain Belts (5)—labeled and drew lines = 10pts	<b>50</b>	
<b>Construction</b>	Put pieces together in a logical order, touching.	<b>15</b>	
<b>Visual</b>	Map was colored, neat, and glued onto construction paper	<b>20</b>	
<b>Other</b>	<ul style="list-style-type: none"> <li>• Key: included all pieces of evidence in the key (10pts)</li> <li>• Compass Rose: contained all directions (5pts)</li> </ul>	<b>15</b>	
<b>Extra Credit</b>	<ul style="list-style-type: none"> <li>• Creativity: used a variety of creative materials (+15)</li> <li>• Typed key (+5)</li> </ul>	<b>+20</b>	
<b>Total:</b>		<b>100 (+20)</b>	



**Greenland**

**Eurasia**

**North America**

**South America**

**Antarctica**

**Africa**

**India**

**Australia**