

Poster Project Early Evidence according to Wegener (Online students go to page 5)

PURPOSE: show the four examples of evidence for continental drift onto the poster paper. You will use the data from these examples to construct a map of Pangaea.

Directions:

1. Get a sheet of poster paper
2. Fold it in half, width wise (hamburger style)
3. With the paper still folded, write (IN INK) "THE STORY OF WEGENER" then underneath that write your Name, and Class period on this side, **in large print**.
4. NOW open the paper up.
5. For the title we are going to use the following: On the Top Left side of the paper mark, write **HIS STORY BEGINS...** then write the following (in ink or sharpie) across the entire paper.

"in the 1900's, a man by the name of Alfred Wegener, an accomplished meteorologist, believed, while he was lying in a hospital bed, that the Eastern coast of South America and the Western coast of Africa should fit together. A year later (1915) he published a book showing his evidence to support this "Theory of Continental Drift." However, during this time the scientific community did not accept his ideas and he was rejected by his peers. Below is his supporting evidence to the "Theory of Continental Drift."

6. Now the paper is divided into 2 sections. A Left side and a Right side under the paragraph you just wrote. On the LEFT side of the paper mark: **PANGAEA.**
7. On the RIGHT side of the paper mark: **TODAYS WORLD.**
8. NOW cut out a SET of continents from the continent page..
 - a. Arrange the 1st continents you cut out on the left side of the paper to represent the continent Pangaea.
 - b. Remember the continents may slightly overlap when making Pangaea. *SEE diagram to the right*



9. **Include JUST ONE key with your map** to represent the four categories listed on the next several pages. Remember, everything on the map NEEDS to be in the key.
 - a. **NOTE: the key on the DIAGRAM is just an example. The directions have what you are to write**
 - b. **DO it lightly in pencil or WAIT till the end and do the KEY last. Maybe in between both maps would be a good place for KEY**

10. **READ...**

- a. the next several pages as to WHAT you are to do on your map. Use different colored pencils (or crayons) to illustrate the FOUR categories of evidence, that was discussed during class or from your videos that you watched.

DESCRIPTION: THE FOUR TYPES of EVIDENCE (or CLUES):

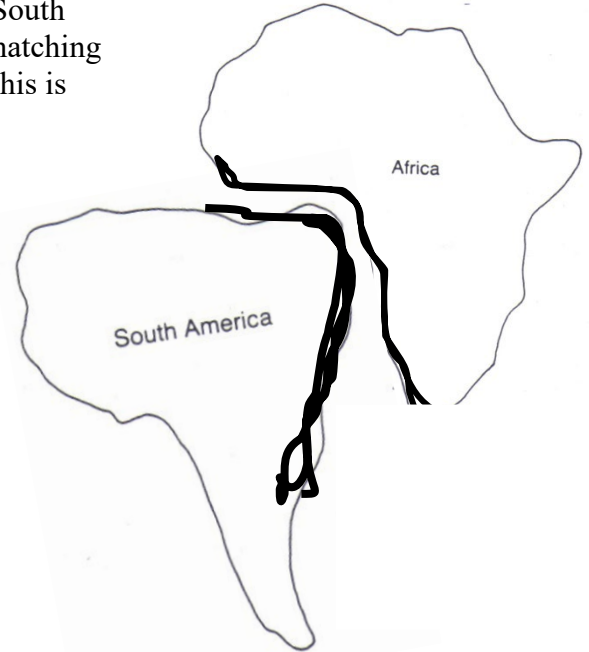
Include EACH clue and a brief description.

1. First evidence of Wegener's theory is the coast of South America and Africa fit together. The maps show matching geologic evidence. They create a *Puzzle like fit*. This is referred to as **Puzzle Clue**.

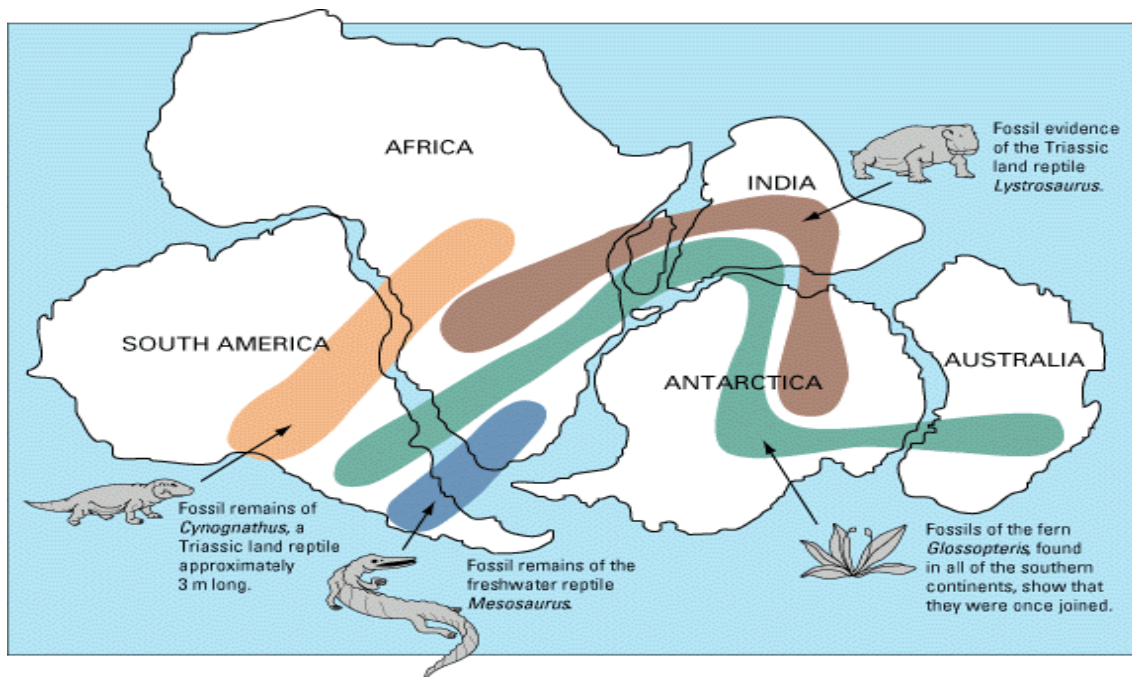
Highlight on BOTH MAPS the shoreline of BOTH Eastern coast of South America and the Western coast of Africa. Mark this evidence on your KEY by writing the following:

"Puzzle Clue: Puzzle like fit."

Make sure you use a highlighter or a Black line to show this evidence on your Pangaea.



2. His second set of clues (SEE BELOW) was the **same species** that existed in different areas of the world. You *DO NOT* need to make it the same color as below, but you need to create it the same way. You are to DRAW (or use the picture to represent the fossil) on the Pangaea map, in the proper location, at LEAST the Mesosaurus and the Glossopteris and where they were found. Write on the KEY: "Fossil Clues: Mesosaurus and Glossopteris" Do not forget to include a drawing (picture) on your KEY as well as on Pangaea. REMEMBER ... whatever you do to one side you MUST do the other map.



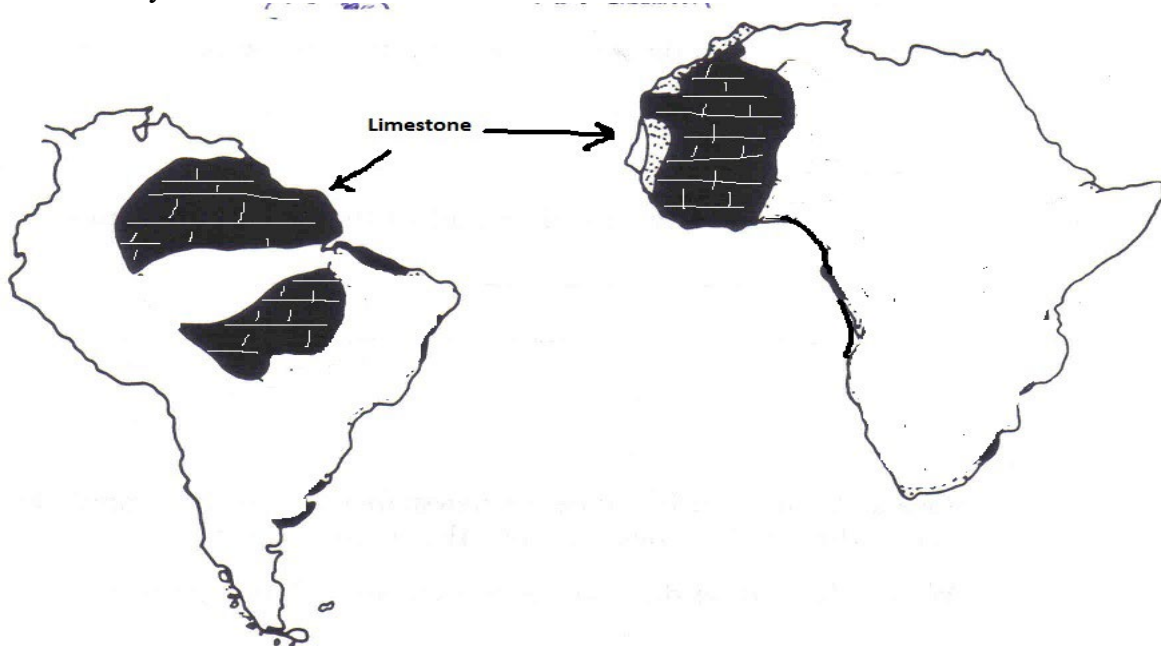
3. Wegener 3rd supporting evidence was *two different “Rock Clues”* Here is his **FIRST Rock Clue** showing the **same mountain formation** (i.e. Appalachian Mt. System shown in the illustration).

Here you see the same *rocks and structure across several areas*. Next to the term **ROCK CLUES** on your key include the *Appalachian Mt. System*. On the Pangaea cutouts the Appalachian Mts are already done for you but NOT on the Modern World DRAW on the Today's world map the Appalachian Mt. System as upside down “V” wherever they are shown on the illustration, and Pangaea cutouts.



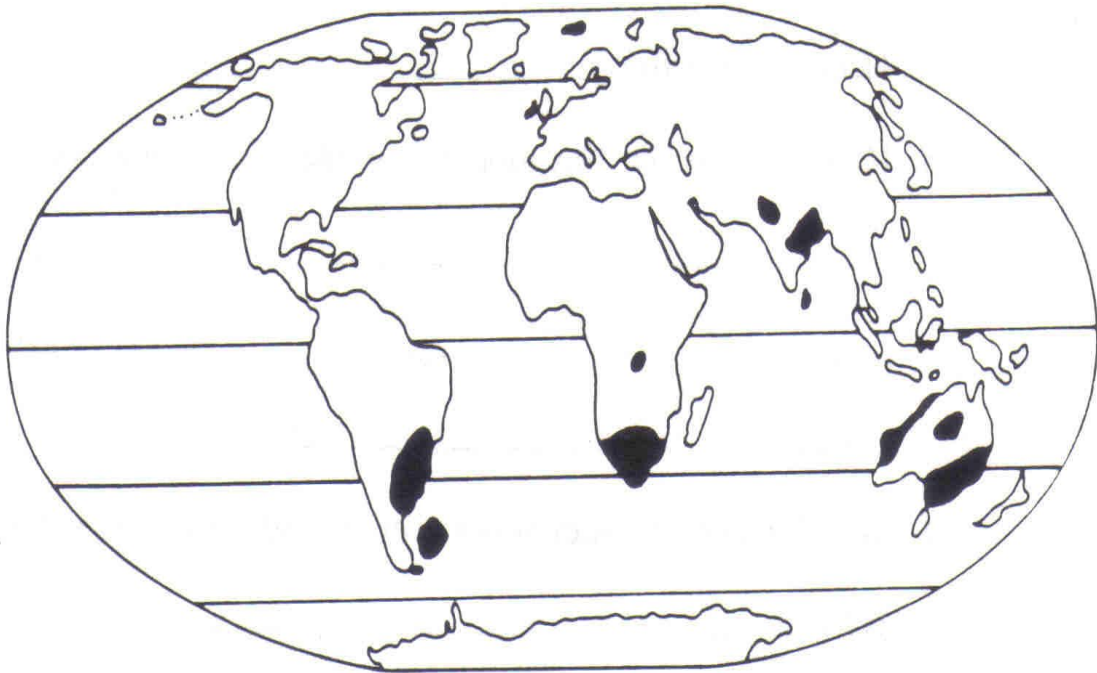
Write on your KEY:” Rock Clues #1: “same mountain system” You can make them any color you want.

Wegener’s **NEXT Rock Clue** is the *same type of rocks (strata layers)* on one continent that match the same type of rocks (strata layers) on another continent. DRAW & color on BOTH maps the Limestone which is represented as the black shaded areas on the diagram below. Use correct drawing symbols for limestone that you have learned about in class. **Write on your KEY: Rock Clues#2: “same rock formation”** Make sure you draw & color the proper limestone symbol on the KEY



3. Wegener's 4th and final supporting evidence is the shaded areas on this map which represents evidence of **glaciations** during the late Paleozoic era. These glaciations were strong evidence because of the **striation** (long scratches) in the rocks, along with the same deposit of sediment were made.

SHADE your Pangaea map to represent the areas of glaciers in the color purple.
THEN DRAW STRIATIONS (squiggle lines) on the map through the glaciations you just colored in BLACK INK. WRITE: on your KEY BOTH: Climate Clues: "glaciations" in purple and "striations" (long scratches)"



ONLINE STUDENTS

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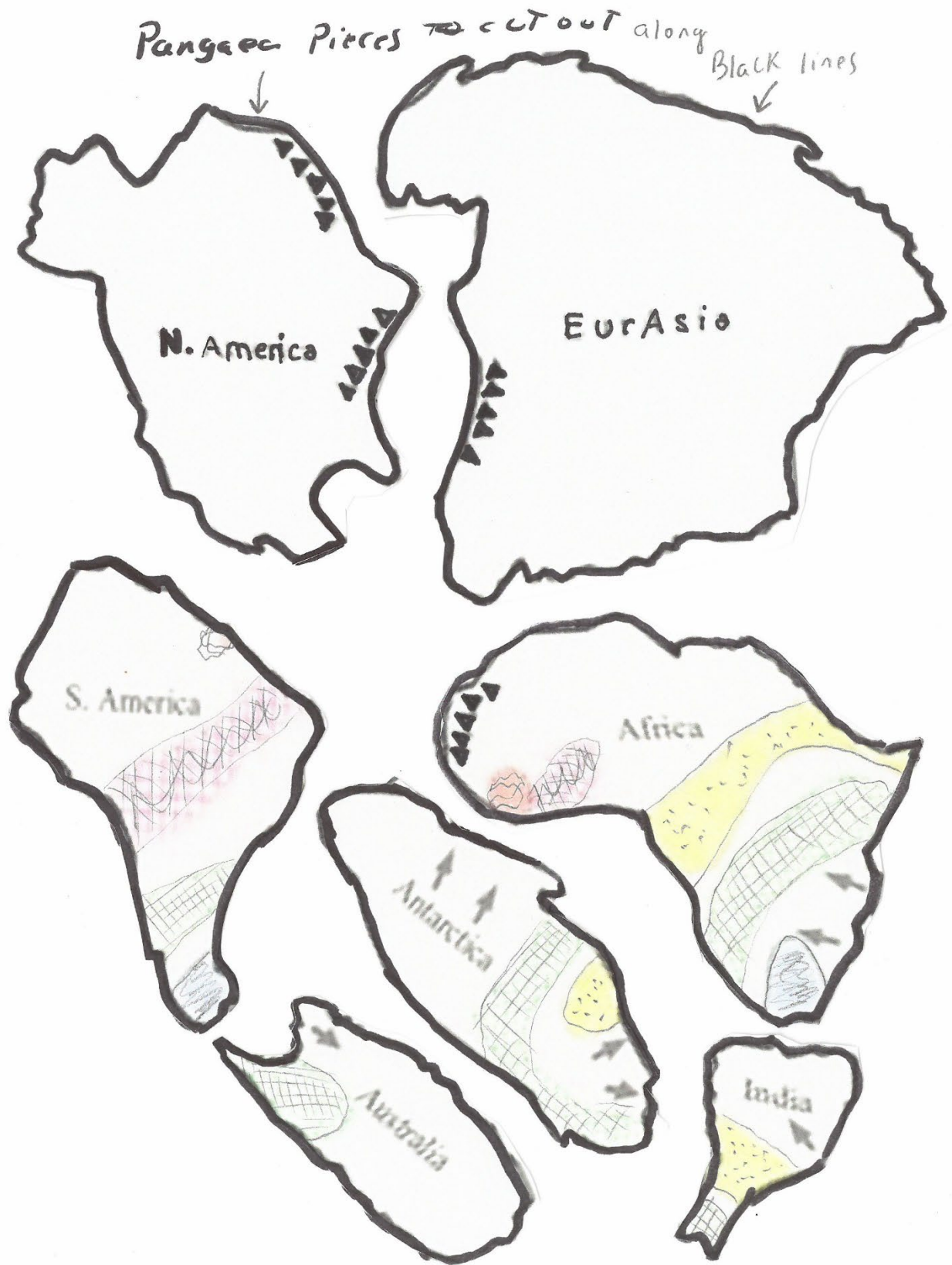
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GO TO PAGE 2 next

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DATE: _____

PD: _____

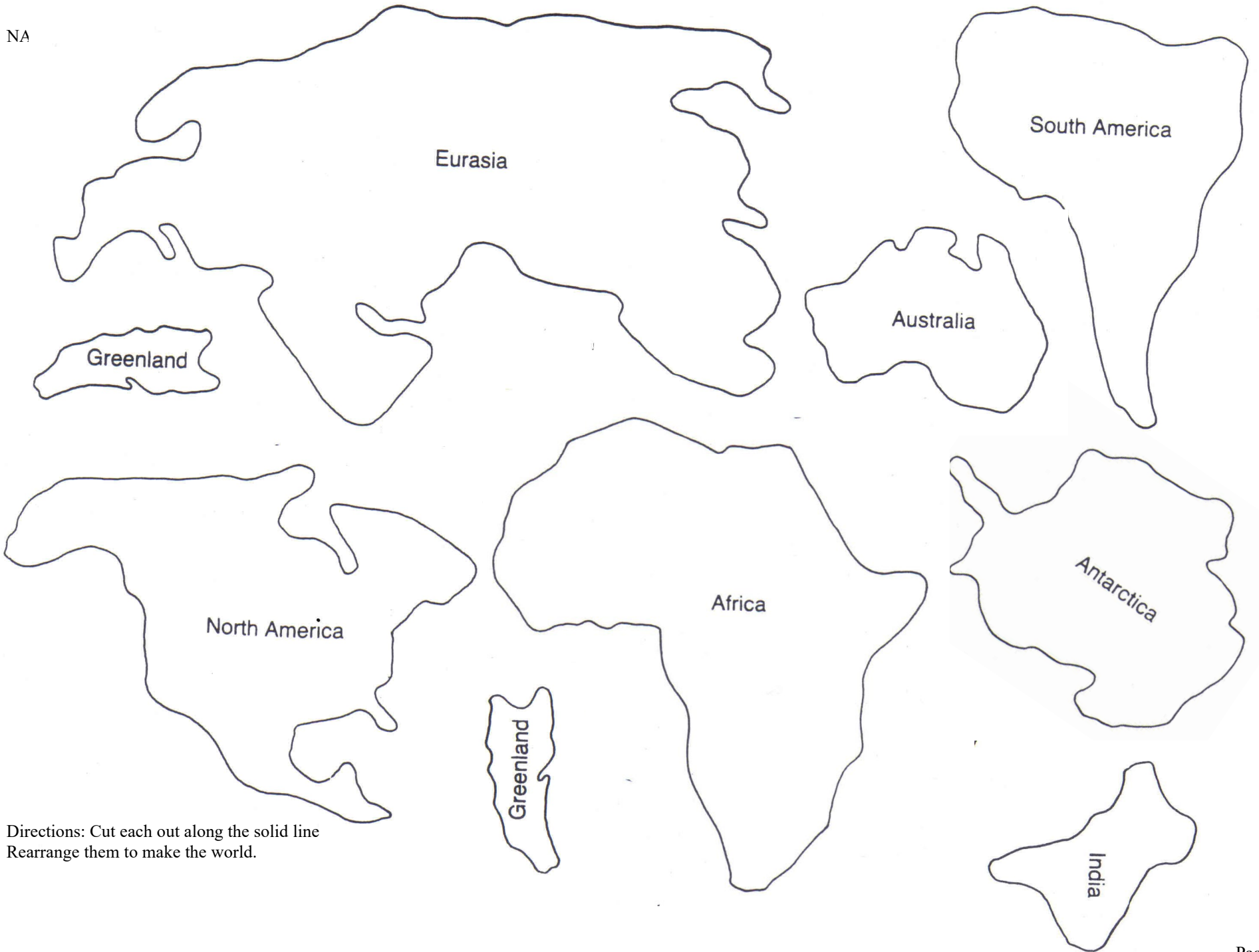


NAME: _____

DATE: _____

PD: _____

NA



Directions: Cut each out along the solid line
Rearrange them to make the world.