

CONTINENTAL DRIFT LAB

WEGENER'S EVIDENCE

Name _____ Block _____

Directions: Match the continent pieces to make Pangaea as it may have been around 100 million years ago. Use the legend below to help you. Then answer the questions.

Questions:

1. What five kinds of evidence support Wegener's observation that south America was at one time joined to Africa. Be specific!

- a.
- b.
- c.
- d.
- e.

2. Where does Greenland join, and what evidence supports your claim?

3. Which dinosaur is found on almost every continent? _____

4. Since this dinosaur type cannot swim, explain how its fossil can be found on all continents.

5. It is generally considered that dinosaurs lived in warm climates, yet fossil remains are found in Antarctica. How can this be explained?

6. Stegosaur-type fossils have not been found on land masses #1, 5, 6, 8, and 10. Explain why is this probably so. (And it's not because no one has found any yet!)

7. Similar glacial deposits were found on land masses #1, 3, 5, 6, 8, and 10. What does this probably indicate about the overall climate of Pangaea at the time?

8. Where does Africa join Europe?

What is the evidence?

9. Why do the lystrosaur-type dinosaurs appear to be limited to only the eastern part of Pangaea?

10. Do you think the Appalachian Mountains are older or younger than Pangaea?

The Andes?

The Himalayas?

The Rockies?

The Alps?

NOTE: Paste your copy of Pangaea here: