

Name _____ Date _____ Period _____

Alfred Wegener's Continental Drift Theory

Directions: Complete each of the following sections to research and learn about the continental drift theory.

The Theory of Continental Drift Article - After reading the article, answer the following questions.

1. Where are the Mesosaurus fossils found?
2. Why couldn't this reptile swim across the Atlantic Ocean?
3. Where are the Cynognathus fossils found?
4. Are the current climates the same for the three different continents the Cynognathus are found?
5. What does Lystrosaurus mean?
6. When was the Lystrosaurus dominant on land?
7. What continents are the Glossopteris tree fossils found?
8. According to the article, when did these four types of fossils form linear and continuous patterns?

Video - Watch the video on EDPUZZLE, make sure to answer all of the questions. Log in with your google account.

9. Video Score _____/4

Web Activity - Use the link to answer the following questions.

http://www.phschool.com/atschool/phsciexp/active_art/continental_drift/

10. There were dinosaurs that lived about 230 million years ago. What can you say about their access to each of the continents?

11. The last dinosaurs were on Earth about 65 million years ago. Do you believe the land dinosaurs had equal access to every continent? Why or Why not?

12. During the time of Pangaea, what other continents was North America directly attached to?

Evidence for Wegener's Theory - Match the pieces of evidence to the correct column by writing each description in the correct category

- a. Fossil evidence matched on each continent.
- b. Landforms like rivers and mountain ranges matched on continents.
- c. Continents fit together like pieces of a puzzle.
- d. Glacier evidence was found in places glaciers should have never been.
- e. Landmass bridges were found across the oceans.
- f. The salinity of the water in each of the oceans matched.
- g. The density of the continents is the same on each continent.
- h. Evidence of hurricane damage was found on each continent

Alfred Wegener's Evidence of Continental Drift	
Not Alfred Wegener's Evidence of Continental Drift	