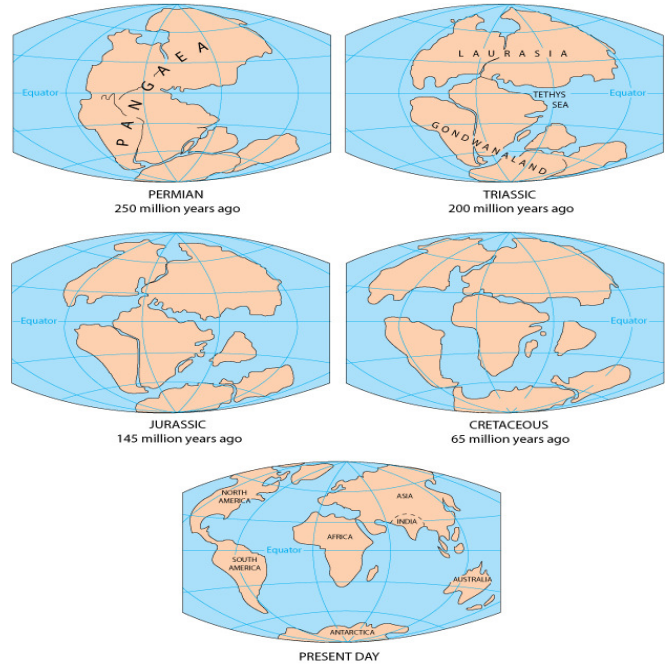


Plate Tectonics

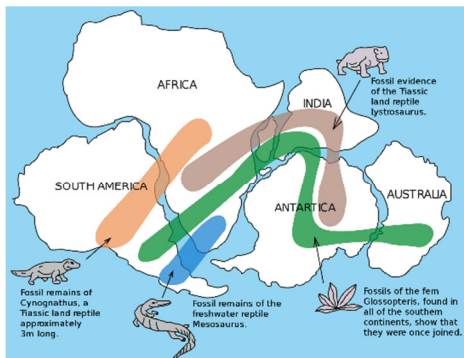
Theory of Continental Drift

1. The Jigsaw Puzzle Fit

- The **Continental Drift Theory**
 - Alfred Wegener proposed that continents moved around on Earth's surface and were at one time joined together.
 - Pangea: **Supercontinent** "all Earth." (The shape of the continents suggests that they might fit together like jigsaw pieces).



2. Matching Geological Structures and Rocks, Matching Fossils, and Climatic Evidence for Continental Drift



There were matching geologic features, such as:

- mountain ranges and rocks*
- matching fossils* (representing species that could not cross oceans)
- different climates in the past*, such as coal deposits in Antarctica, which is now too cold to support plant life, and evidence of glaciers in parts of Africa, where it is now too warm for glaciers to form.

- **Paleoglaciation** is a term describing past periods of extensive glaciations that covered most of the continent



The distribution of glacial features can be best explained if the continents were part of Pangea.

Name: _____
Pd: ___ Date: _____

Quick Check#1

1. What did Wegener notice about the shapes of continents that led him to suggest that continents were able to move?

2. List three forms of evidence besides continent shape that gave support to the idea of continental drift,
