

Alfred Wegner's Hypothesis: All continents were joined together as one large landmass called Pangea "all land" that broke apart 200 million years ago.

Explanation of movement: continents plowed through ocean floor driven by Earth's Spin

Evidence for Continental drift:

1) Puzzle like fit

South America/ Africa

2) Fossil clues:

Mesosaurus – South America & Africa fresh water and land had to be joined

Glossopteris (plant) – Africa, Australia, India, South America, and Antarctica had to be connected & similar climates

Kannemeyrid – North America, South America, Africa, Eurasia

Labryinthodont – Southern Africa & Australia

3) Climate Clues:

Warm weather plants found on Arctic island drifted from tropical to arctic

Glaciers in temperate & tropical areas (America, Africa, India, Australia) moved to south pole

4) Rock Clues :

similar rocks in Appalachians, Greenland, western Europe – coal

Eastern South America and western Africa - diamonds