

Continental Drift Notes

___Alfred Wegner___ proposed the hypothesis of continental drift.

Wegner believed that all the continents were connected into **one giant landmass called _Pangaea_**.

The continents took ___200 million___ years to move.

They moved ___1/2-2 inches___ inches a year.

What clues did Wegner have to support his hypothesis?

- ___Fossil___

Mesosaurus (in South America and Africa)

Glossopteris (in Africa, Australia, India, South America, and Antarctica)

- ___Climate___

Fossils of warm weather plants were found on Antarctica and Greenland which are now totally covered in ICE!

- ___Geology___

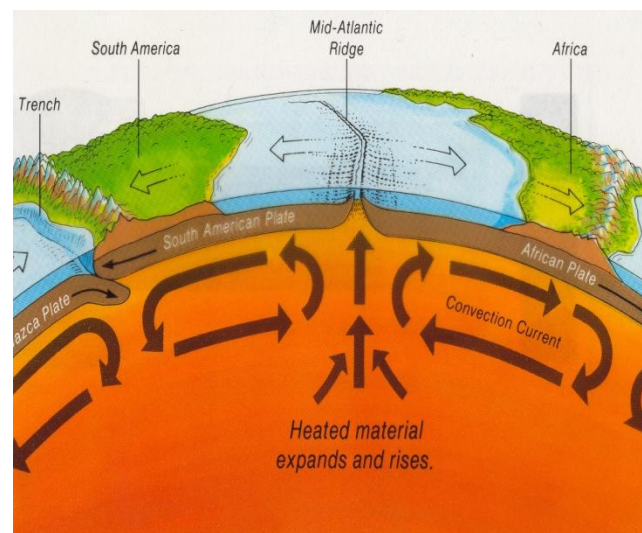
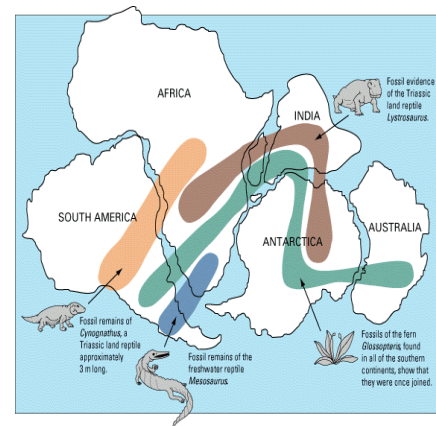
Similar Rock structures in the Appalachian Mountains, Greenland, Western Europe, South America, And Western Africa.

How are the plates moving?

One Word :Convection_____!

The middle mantle flows because of convection currents.

___Convection Currents___ are caused by the very hot material at the deepest part of the mantle ___Rising___, then cooling



and ____Sinking_____ again repeating this cycle over and over.