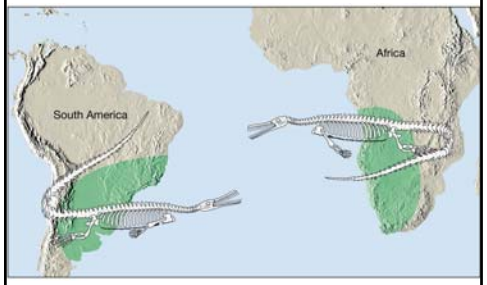
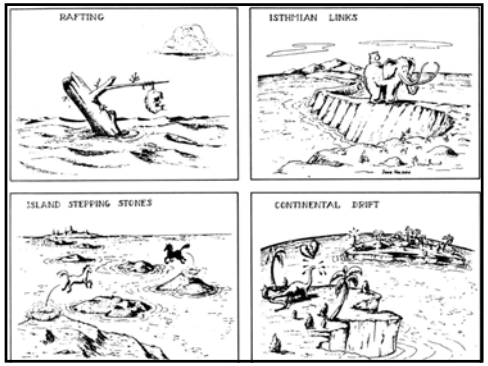
Supercontinent 200 m.y.a.

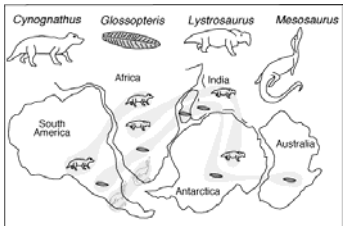
Shelf fit of southern continents

Mesosaurus occurrences



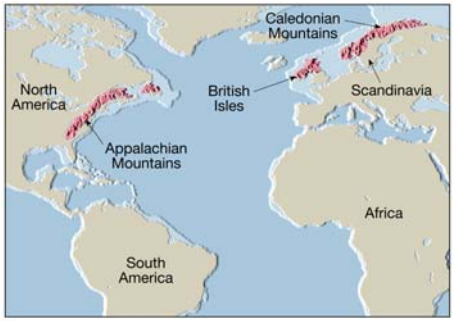


Other fossil locations



Distribution of fossils across the southern continents of Pangea.

- http://www.mu.edu/classes/day/images/PlateTechtonics/fossils.gif



A.

B.

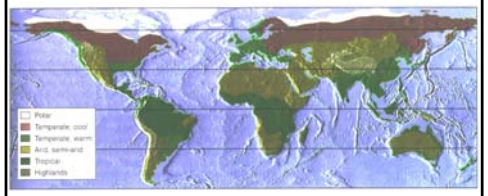
Occurrence of Southern Glaciation

B.

Match of Southern Glaciation

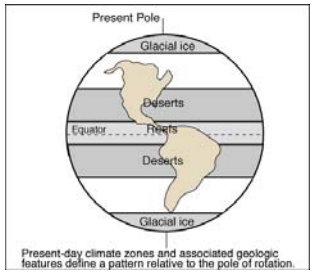
A.

Climate zones



- http://www.geol.umd.edu/~piccoli/100/ch9_2.htm

Climate distribution

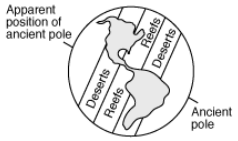


- http://www.mu.edu/classes/day/images/PlateTechtonics/climatezones.htm

Change in pole position

Two possible interpretations of the distribution of ancient climate zone.

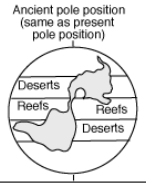
Either the continents remain fixed and the poles wander or



- http://www.mu.edu/classes/day/images/PlateTechtonics/climatezones.htm

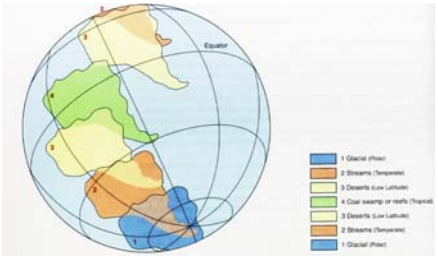
Change in continent position

the poles remained fixed and the continents wander.



- http://www.mu.edu/classes/day/images/PlateTechtonics/climatezones.htm

Climatic change with drifting



- http://www.geol.umd.edu/~piccoli/100/ch9_2.htm

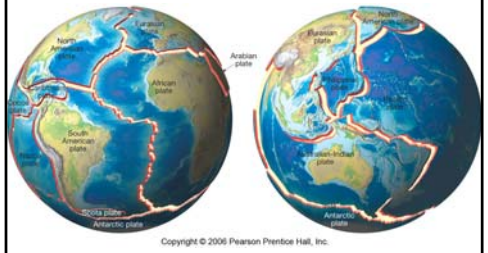
Supercontinent 200 m.y.a.

- http://terra.chemeketa.edu/Faculty/fraa/geology/topics/tectonics/photos/htmls/world-sea-floor2.html

- http://terra.chemeketa.edu/Faculty/fraa/geology/topics/tectonics/photos/htmls/pacific-sea-floor.html

- http://vulcan.wr.usgs.gov/Glossary/PlateTectonics/Maps/map_quakes_world_990707_flat.html

Lithospheric Plates



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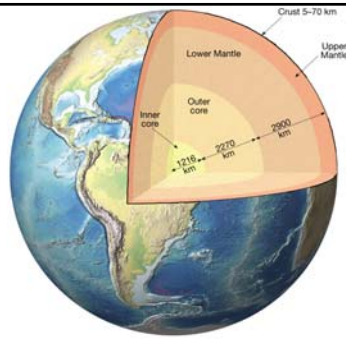
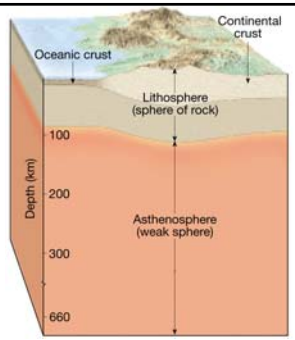
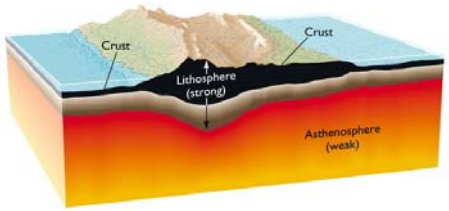
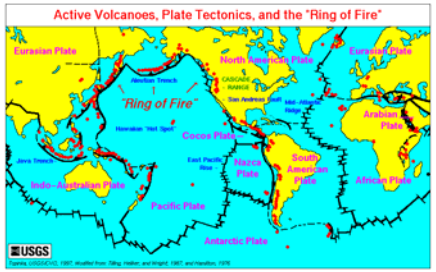
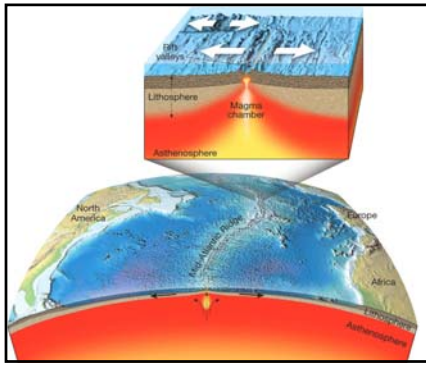
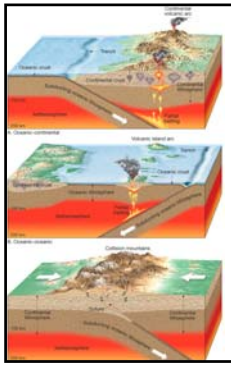
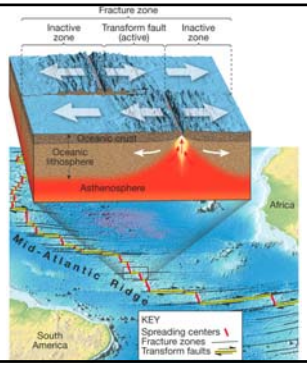




Relationship of crust, lithosphere and asthenosphere



- http://earth.geol.ksu.edu/sgao/g100/plots/0829_12_litho.jpg



http://vulcan.wr.usgs.gov/Glossary/PlateTectonics/Maps/map_plate_tectonics_world.html