

Earth's Dynamic Geosphere: Plate Tectonics Activity 5 - The Changing Geography of Your Community

This investigation will help you to:

- Inquiring Further
- Development of Plate Tectonics Theory
- Paleomagnetism

Inquiring Further

To learn more about the history of the development of the theory plate tectonics, visit the following web sites:

- "Plate Tectonics: The Rocky History of an Idea" - the Museum of Paleontology, University of California at Berkeley
Reviews the development of plate tectonic theory by the late, great Alfred Wegener.
- "Developing the Theory" - from *This Dynamic Earth*, USGS
- "Harry Hammond Hess" - from *This Dynamic Earth*, USGS
Read about the man who developed what eventually became known as "sea floor spreading".
- "Our Changing Continent" by J. S. Schlee, USGS
Looks at the clues paleogeographers use to determine the positions of the continents back through time. Many of these clues were used to initially validate the theory of plate tectonics.

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Development of Plate Tectonics Theory

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Paleomagnetism

- "Paleomagnetic Analyses" - USGS

Click on the links to learn about the varying scientific applications of paleomagnetism and the equipment used to complete these investigations.

- "The Geomagnetic Field - Frequently Asked Questions" - NOAA, National Data Centers, NGDC

This site should clear up confusions about the use of geomagnetism and provides helpful links to other sites if more information is desired.

- "AGU Geomagnetism and Paleomagnetism Section"

Reviews the basic of paleomagnetism and how scientists measure the magnetic field of the Earth. Also provides additional links for further exploration.

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