

## CONTINENTAL DRIFT AND PLATE TECTONICS

Continental Drift Theory	Seafloor Spreading	Plate Tectonics
<p>Proposed by: Alfred Wegener - 1915 - German meteorologist</p> <p>Definition: the continents once formed a single landmass, Pangaea (all lands), broke apart, and drifted to their present locations.</p> <p>Evidence:</p> <ol style="list-style-type: none"> <li>a. Similarities in the coastlines: Ex: Africa and South America</li> <li>b. Identical fossils of plants and animals found on different continents: Ex: Mesosaurus on Africa and S. America</li> <li>c. Geologic Evidence: matching rock types and mountain belts Ex: Appalachian Mts and Grampian Mts (Scotland)</li> <li>d. Climatic changes: Ancient glacial features on several continents match (now in warm climates) Ex: Glossopteris fern found in Antarctica.</li> </ol>	<p>Proposed by:</p> <p>Definition:</p> <p>Evidence:</p> <ol style="list-style-type: none"> <li>a.</li> <li>b.</li> <li>c.</li> <li>d.</li> </ol>	<p>Proposed by:</p> <p>Definition:</p> <p>Evidence:</p> <ol style="list-style-type: none"> <li>a.</li> <li>b.</li> <li>c.</li> <li>d.</li> </ol>

\* Wegener could NOT explain how the continents moved.