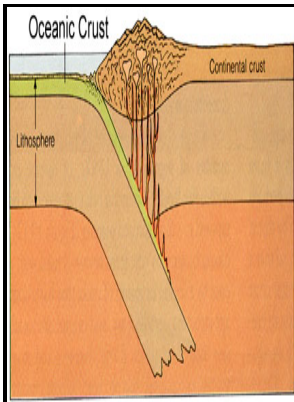


Origin of continents and ocean basins

Mir - Ocean Basins and Continents



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10(p) Physiography of the Ocean Basins

This seems to suggest that South America and Africa were formally one landmass which was torn apart along the Atlantic mid-ocean ridge to give rise to this similarity of coastlines. Frequent earth quakes around oceanic ridges and oceanic trenches in Japan, California, Peru, Chile, Islands of East Indies suggest earth movement.

(World Geography) Origin of Continents and Ocean Basins, Tectonics Plate

In part, the biosphere has adapted opportunistically to whatever chemical components were provided in the process, but it also has an active role through the weathering of continents, the deposition of carbonate banks, the carbon cycle feedbacks with climate, etc.

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The widening gaps became oceans, while the crustal blocks became continents Note: This theory was originally advanced to explain distribution of oceans and basins but since it involves horizontal movement of the crust, it can also pass as a theory of continental drift.

Ocean Basins and Continents

Consequently, the upper part collapsed on the inner part and ultimately the earth began to assume the shape of a tetrahedron.

THE ORIGIN OF CONTINENTS, MOUNTAIN RANGES, AND OCEAN BASINS on JSTOR

As plates move, continents on top also move following the direction of plate movements. Numerous populate the floor of the ocean basins.

Chapter 3 origin of current continents and oceans basins

The west coast of Africa, for example, can fit into the east coast of South America. Transform Boundaries: The zone between two plates sliding horizontally past one another is called a transform-fault boundary, or simply a transform boundary. According to Taylor when Laurasia and Gondwanaland met, the Atlas and Alpine fold mountains were formed.

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The African continent is slowly splitting in two. ADVERTISEMENTS: A few scientists have attempted to solve the problems of the origin of the continents and ocean basins on the basis of fundamental principles of geometry.

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