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# **Plate Tectonics Continental Drift And Mountain Building**

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Michael Molina Alfred  
Wegener vs. The  
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240 million years ago to  
250 million years in the  
future Formation of  
India (Pangea,  
Gondwanaland and  
Laurasia) *Continental*

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*Drift: 3.3 Billion Years  
300 Million Years of the  
Future World (Pangaea  
Proxima) Expanding  
Earth and Pangaea  
Theory plate tectonics  
How Earth Will Look In  
250 million Years Earth  
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Now*

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Introduction in Plate  
Tectonics and the theory  
of Alfred Wegener  
(continental drift)

Continental Drift:

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*Drift vs Plate Tectonics*

Animated Life: Pangea,

Wegener, and



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**PLATE TECTONICS**

Plate Tectonics

Explained **Plate**

**Tectonics Continental  
Drift And**

The crust is broken up  
into giant tectonic plates  
that ride atop the  
magma, hot melted-rock  
material that makes up  
much of the interior of

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the Earth. Over millions of years, the continents drift...

## **Plate Tectonics and Continental Drift (Infographic) | Live ...**

Continental drift (plate tectonics) The theory of continental drift was proposed at the beginning of the last century by German scientist Alfred

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Wegener. Before

Wegener developed his theory, it was...

**Continental drift  
(plate tectonics) - The  
Earth - GCSE ...**

Plate Tectonics:

Continental Drift and Mountain Building is a terrific summary of state-of-the-art plate tectonics science at 2011. From the early history of the

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geological revolution to the latest in explanations of the Rocky Mountains, Firsch et al. cover the fifty year history of plate tectonics, the unifying theory of geology.

**Plate Tectonics:  
Continental Drift and  
Mountain Building ...**  
Continental drift and  
plate tectonics are two

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theories explaining the geological evolution of the earth, specifically its crust. Continental Drift  
Continental drift is a theory first presented by Abraham Ortelius (Abraham Ortels) in 1596.

## **Difference Between Continental Drift and Plate Tectonics ...**

Continental Drift and

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## Plate Tectonics

### Continental Drift.

Today, most people know that landmasses on Earth move around, but people haven't always believed this. It wasn't until the early 20th century that German scientist Alfred Wegener put forth the idea that the Earth's continents were drifting. He called this

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movement Continental Drift. He was not the first or only person to think this, but he was the first to talk about the idea publicly.

## **Continental Drift and Plate Tectonics | Let's Talk Science**

The main difference between plate tectonics and continental drift is that plate tectonics

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describes the features and movement of Earth's surface in the present and in the past whereas continental drift describes the drifting of Earth's continents on the ocean bed. Plate tectonics and continental drift are important theories in geology.

**What is the Difference**

*Page 16/31*



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## **Between Plate Tectonics and ...**

Plate tectonics is the theory that Earth's land masses are in constant motion. The realization that Earth's land masses move was first proposed by Alfred Wegener, which he called continental drift. He is shown here at the base camp for Johan Koch's 1912-1913 Greenland

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expedition. Photograph  
from Pictorial Press

## **Continental Drift versus Plate Tectonics | National ...**

According to the theory  
of continental drift, the  
world was made up of a  
single continent through  
most of geologic time.

That continent  
eventually separated and  
drifted apart, forming

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into the seven continents we have today. The first comprehensive theory of continental drift was suggested by the German meteorologist Alfred Wegener in 1912. The hypothesis asserts that the continents consist of lighter rocks that rest on heavier crustal material—similar to the manner in which

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## **Continental Drift and Plate-Tectonics Theory**

Continental drift describes one of the earliest ways geologists thought continents moved over time.

Today, the theory of continental drift has been replaced by the science of plate tectonics. The theory of

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continental drift is most associated with the scientist Alfred Wegener.

## Building

**continental drift |  
National Geographic  
Society**

The plate tectonics theory refers to the large-scale movement of the seven major plates along with several other smaller plates that form

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the earth's lithosphere, for the last hundreds of millions of years. The theory is based on the concept proposed by the continental drift model and was accepted by the geological community in the early 1960s.

## **Continental Drift vs Plate Tectonics - Difference**

Plate Tectonics It was

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from the continental drift theory, convection current theory and the theory of seafloor spreading, the theory of Plate Tectonics was formulated. In 1967, McKenzie and Parker suggested the theory of plate tectonics. Morgan later outlined the theory in 1968.

**Plate Tectonics vs.**

*Page 23/31*

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## **Continental Drift and See Floor ...**

Frisch and Meschede and Blakey answer all these questions and more through the presentation and explanation of the geodynamic processes upon which the theory of continental drift is based and which have led to the concept of plate tectonics.



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## **Plate Tectonics - Continental Drift and Mountain Building ...**

Incorporating the much older idea of continental drift, as well as the concept of seafloor spreading, the theory of plate tectonics has provided an overarching framework in which to describe the past geography of continents

Read Online  
Plate Tectonics  
and oceans, the  
processes controlling  
creation and destruction  
of landforms, and the  
evolution of Earth's  
crust, atmosphere,  
biosphere, hydrosphere,  
and climates.

**plate tectonics |  
Definition, Theory,  
Facts, & Evidence ...**

It was not until 1912  
that the idea of moving

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Continental Drift And Mountain Building  
Continents was seriously considered as a full-blown scientific theory - called Continental Drift - introduced in two articles published by a 32-year-old German meteorologist named Alfred Lothar Wegener. Alfred Lothar Wegener (1880-1930) earned a Ph.D in astronomy from the University of Berlin in 1904.

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## **Continental Drift and Plate Tectonics -**

### **University of Iceland**

Tectonic lithosphere

plates consist of

lithospheric mantle

overlain by one or two

types of crustal material:

oceanic crust (in older

texts called sima from

silicon and magnesium)

and continental crust

(sial from silicon and

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aluminium).

**Plate tectonics -  
Wikipedia**

Continental Drift and  
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Theory of Plate  
Tectonics When the  
concept of seafloor  
spreading came along,

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Scientists recognized that it was the mechanism to explain how continents could move around Earth's surface. Like the scientists before us, we will now merge the ideas of continental drift and seafloor spreading into the theory of plate tectonics.

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