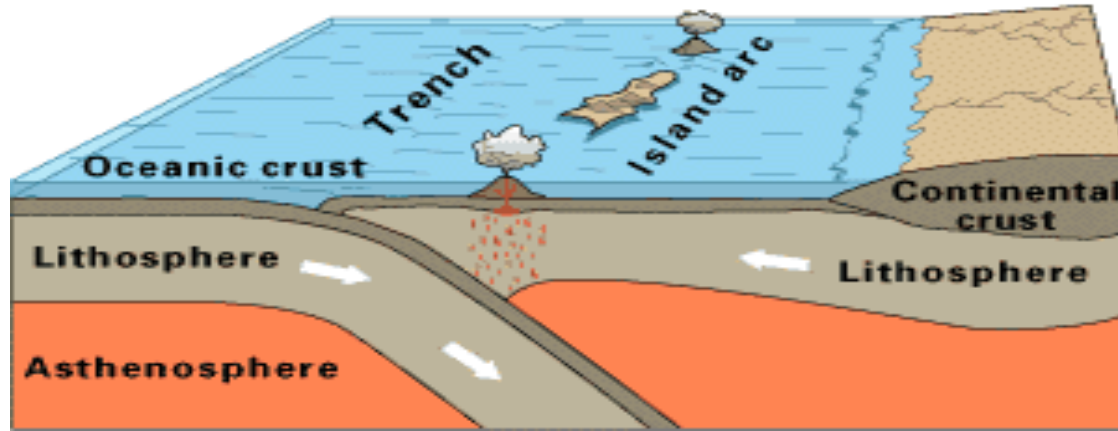


Plate Tectonics

Convergent Boundary

Oceanic and Oceanic Collision

Oceanic Plate



Oceanic plates are large pieces of the Earth's crust. Oceanic Plates are found in the ocean. They are made of mafic or basaltic rock. (study.com)

Due to the high density of the oceanic plate, The oceanic plate is subducted under the continental plate. (geosci.usyd.edu.au)

Examples of plates around the world



Convergent Boundary - Oceanic and Oceanic Collision

A convergent boundary occurs between two oceanic plates. When the two plates intersect, they push against each other which ultimately forces one of those plates beneath the other. (kidsgeo.com)



What is an Oceanic Collision?

An oceanic collision is when tectonic oceanic plates collide. The oceanic plate is forced down into the mantle in a process known as “subduction”. As the plates descends, it is forced into a higher temperature environment which causes melting of the crust forming magma. (geology.com)

Effects from an Oceanic collision

Geographic Effects caused by Oceanic Collision:

1. When heavy oceanic plates plunge down, they can create deep off shore or ocean trenches.
2. When old crust melts, it can cause Convergent boundaries to form on-shore volcanoes.
3. When the two plates rub against each other, it can cause Convergent boundaries to form earthquakes.
4. Earthquakes in the subduction zone can cause a tsunami. (kidsgeo.com)

Examples of Oceanic collision

In December 2004, the Asian Tsunami killed more than 200,000 people across the Indian Ocean region. (learner.org)

The Mariana Trench is the deepest location of the earth. It's deepest point is 36,200 feet. It is in the Pacific Ocean near Japan. It was formed by a oceanic collision. (Britannica)

Works Cited

1. www.study.com/academy/lesson/convergent-boundary-definition-facts-examples.html
2. www.kidsgeo.com/geology-for-kids/0046-convergent-boundaries.php
3. www.geosci.usyd.edu.au
4. www.Geology.com
5. www.Britannica.com
6. www.learner.org
7. www.gns.cri.nz