

# Convergent Boundary Notes

## Oceanic-Continental Plate Convergence

- Creates a deep ocean trench off shore from the plate boundary.
- High temperature and pressure forces out magma to create inland mountain ranges.
- Look for curved volcanic mountain ranges with a deep ocean trench offshore.
- One example is the Juan de Fuca plate subducting under the Westward moving North American Plate.

## Oceanic-Oceanic Plate Convergence

- When these similar plates collide, the older of the two will subduct.
- Japan's island arcs are a classic example of a landform created by this convergence.
- The Aleutian Peninsula is an example of a volcanically active island arc.
- Magma chambers form below underwater volcanoes.

## Continental – Continental Plate Convergence

- When the Indian Plate collided with the Eurasian plate.
- Crust will crumple to create a mountain range.
- Neither plate will sink because both plates are buoyant.
- Both the Appalachian Mountains and the Himalayan Mountains were formed by this type of convergence.
- Extensive compression causes faulting and folding that deforms the land.