

1/7/13

ESBTP 5k

Aim: How do Earth's tectonic plates move + hit each other?

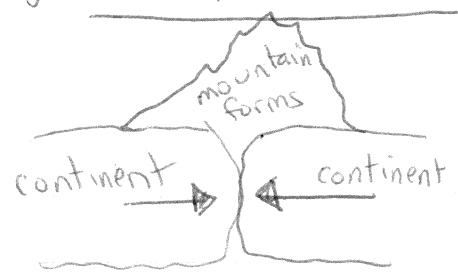
• Plate Boundaries •

1. Convergent Boundary - Two plates come together, collide.

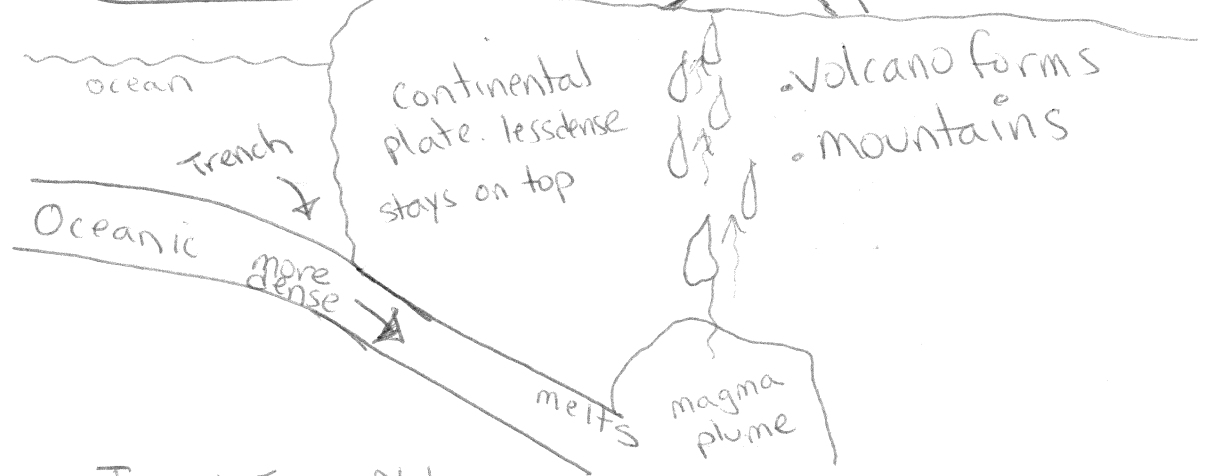
A) Continent - Continent - NO subduction, Neither plate sinks.

- Mountains Form

ex. Himalaya Mountains
India-Asia

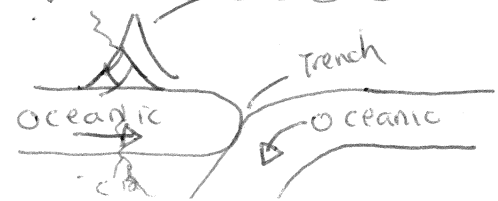


B) Ocean - Continent - Subduction, Ocean plate sinks.



ex. Juan de Fuca Plate
+ N. American Plate
formed Mt. St. Helens

C) Ocean - Ocean
island arcs form



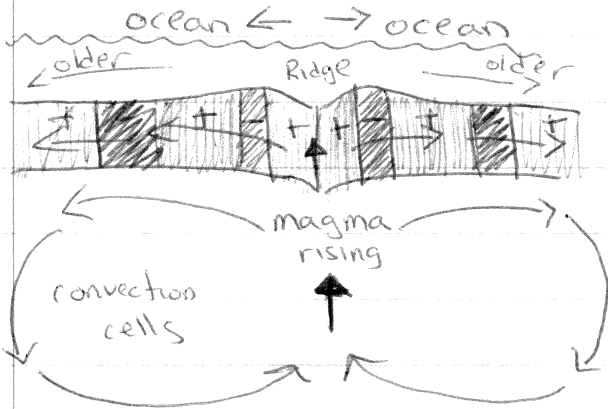
- subduction
- volcanoes
- island arcs
- Trench

Aleutian Islands

Japan

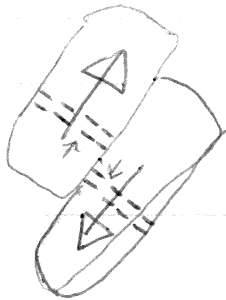
HW - Plate Tectonics Worksheet

2. Divergent ← → Sea floor Spreading
Plates move apart



- mid Ocean Ridge
- Spread apart
- volcanoes
- new seafloor forms
- Rock record of magnetic polarity reversals

3. Transform * San Andreas Fault Line ↑↓



- Plates rub + slide past each other
- Friction
- Earthquakes