

A plate boundary is an area where 2 plates are in contact

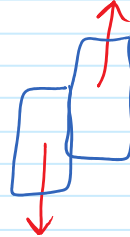
① Divergent

- plates move away
- magma rises from the mantle, cools, and becomes new rock.
- creates oceanic ridge
- creates rift on land.



② Transform

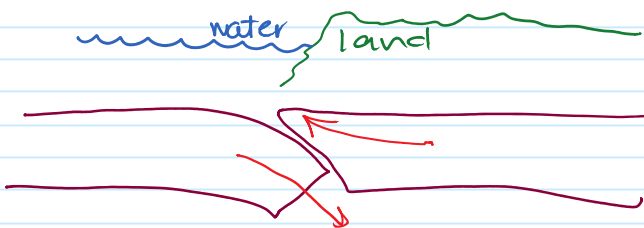
- slide past each other in opposite direction
- large, shallow earthquakes
- ex. San Andreas fault is due to the Pacific plate



③ Convergent

a) oceanic - continental

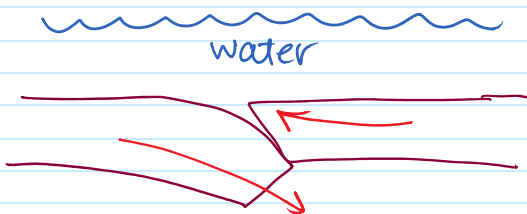
- oceanic plate subducts (slides) under the other continental plate



ex. trench

b) oceanic - oceanic

- one ocean plate forced under another ocean plate (subduction)



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c) continental - continental

- both continental plates have the same density collide!
- no subduction
- instead plates collide, crumple and fold forming great mountain ranges

ex. Himalayas



