

# Plate Boundaries

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Convergent  
Boundaries  
(Colliding)  
plates

Divergent  
Boundaries  
(Dividing)  
plates

Transform  
Boundaries  
Faults

- Plates that are colliding against each other

- 3 types

- ① Continental vs. Continental
- ② Continental vs. Oceanic
- ③ Oceanic vs. Oceanic

① Continental vs. Continental



- Plates that are Separating or Dividing

- Two Type of Divergent Boundaries

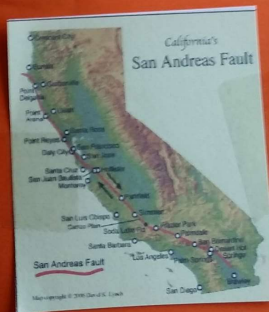
- ① Oceanic and Oceanic
- ② Continental and Continental

① Oceanic plate vs. Oceanic plate



When plates slide passing next to each other

- Earthquakes are created
- Faults are Formed



Part of California is separated by Transformed boundaries.



- Plates that are colliding against each other

- 3 types

① Continental vs. Continental

② Continental vs. Oceanic

③ Oceanic vs. Oceanic

① Co

→ Folded Mountains

→ Himalayas (Everest)

→ The Alps

- Plates that are Separating or Dividing

- Two Type of Divergent Boundries

① Oceanic and Oceanic

② Continental and Continental

①

- Sea Floor spreading

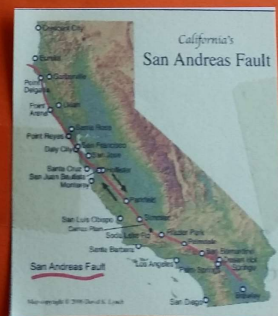
- Mid-Ocean Ridge

- Magnetic Reversals

When plates slide passing next to each other

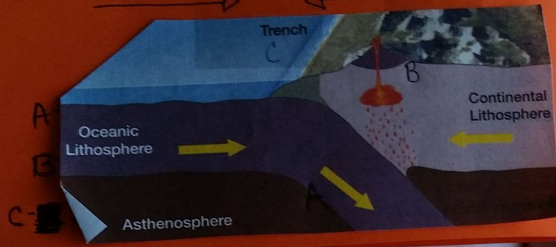
→ Earthquakes are created

→ Faults are Formed

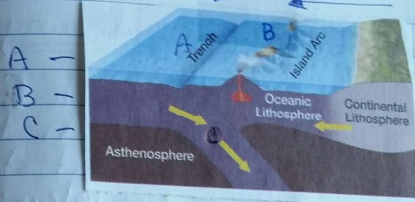


Part of California is Separated by Transformed boundaries.

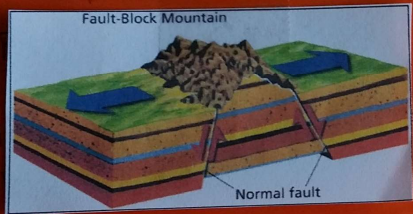
② Continental vs. Oceanic



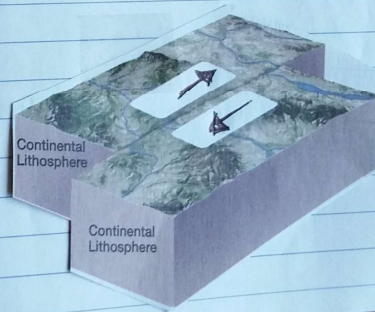
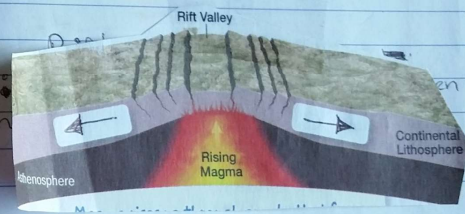
③ Oceanic vs. Oceanic



④ Continental plate and Continental plate



Continental plate and Continental plate



the after

AMERICAN PL  
CARRIBE PLAT  
SOU

P9 361



②  
Example sentence  
Tectonic plates can interact in different ways.  
They can form a convergent boundary.  
or a teacher.  
you may be confused.

- A - Subduction Zone
  - B - Volcanoes
  - C - Deep Trench
- pg 358

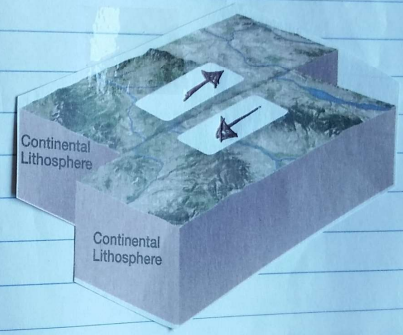
②  
- Fault Block Mountains  
They form when blocks of the lithosphere drop or lift after two plates separate

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- ③
- A - Deep Trench
  - B - Volcanic Islands
  - C - Subduction Zone

Mountains  
form when one plate slides under another.  
They form high mountain ranges.  
The collision of two continental plates can result in high mountains.  
In your flipbook with the  
pages numbered 1-10

Rift Valleys - magma rises up through the cracks when the plates separate



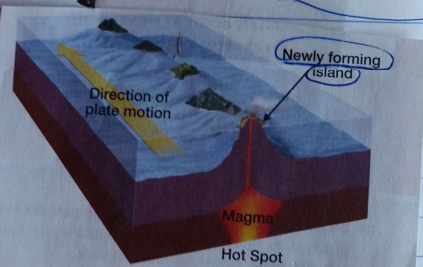
## Hot Spots

Hot spots are formed away from plate boundaries.

Volcanos are formed due to ~~Escaping~~ magma from the mantle. As the plates move, the Hot spot stays in place and forms new volcanic islands ~~through~~ through time.

Old Volcanic Island

Hawaiian Islands



Volcanic island chains can form over hot spots, which are located far from tectonic plate boundaries.



All boundaries

