3 Types of Plate Boundaries Notes Name: _____

The 3 types of Boundaries: When 2 plates meet…..

- 1- They can **crash together** = _____Boundary
- 2- They can **move away from each other** = _____ Boundary
- 3- They can **slide past each other** = _____ Boundary

1. Convergent Boundaries: two types: A. Subduction OR B. Collision

A._____: when one plate is more _____than another, the more dense plate goes underneath the less dense plate.

Subduction: One plate goes _____ the other

- Features that occur at subduction zones: _____, _____, _____ _____

Example: _____ where the Juan de Fuca plate goes _____ the North American Plate.

Convergent Boundary Subduction Zone Sketch:

B. _____: when the 2 plates are the same material. When they hit, they both _____ ____.

- The two plates have the same **density**, they buckle up or move up to a higher elevation.
- Features that occur at **Collision** zones: _____, & _____.

Example: _____, they are continuing to collide and gain _____.

Convergent Boundary, Collision Zone Sketch:

2. Divergent Boundaries:

- When two _____ move _____. Features include the following:

–In continents:_____ , _____, _____.

Example: _____, Africa.

–In oceans: _____, _____, _____.

Example: _____ _____ _____, Atlantic Ocean.

Divergent Boundary Sketch:

3. Sliding/Transform Boundary

- When two plates _____ past each other.
- Features: _____

Example: California- Pacific Plate slides past the North American Plate: _____ _____ _____

Sliding/Transform Boundary Sketch:

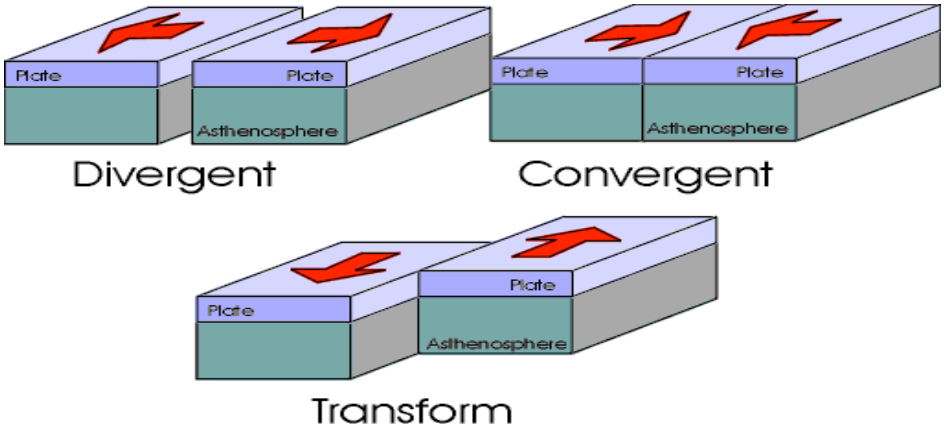
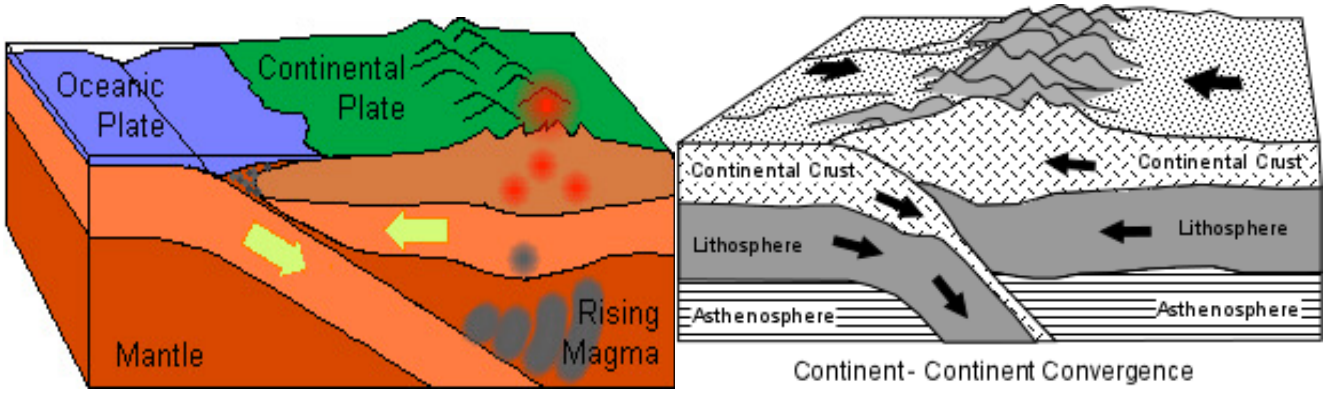
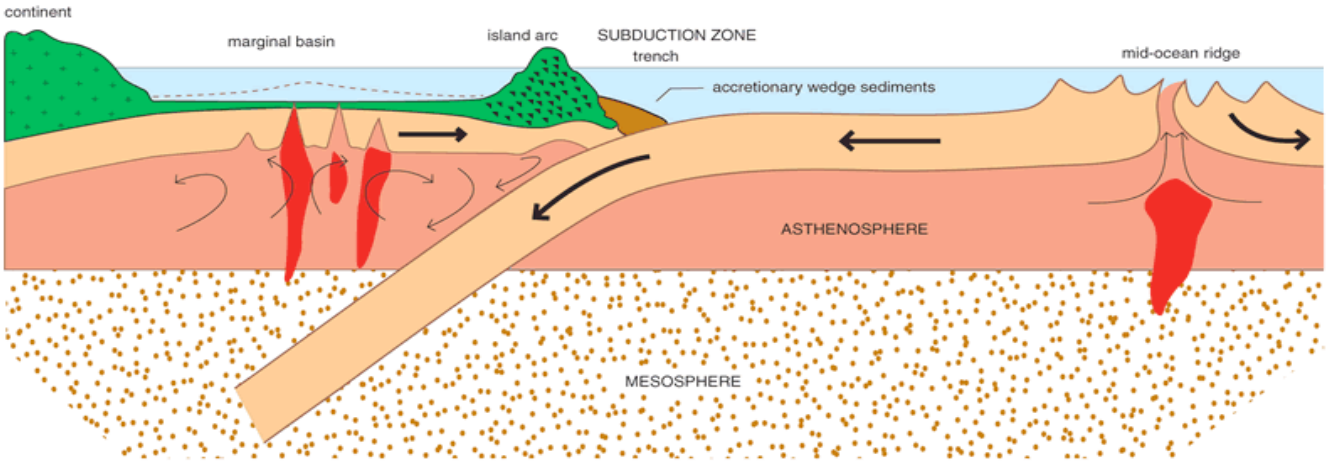
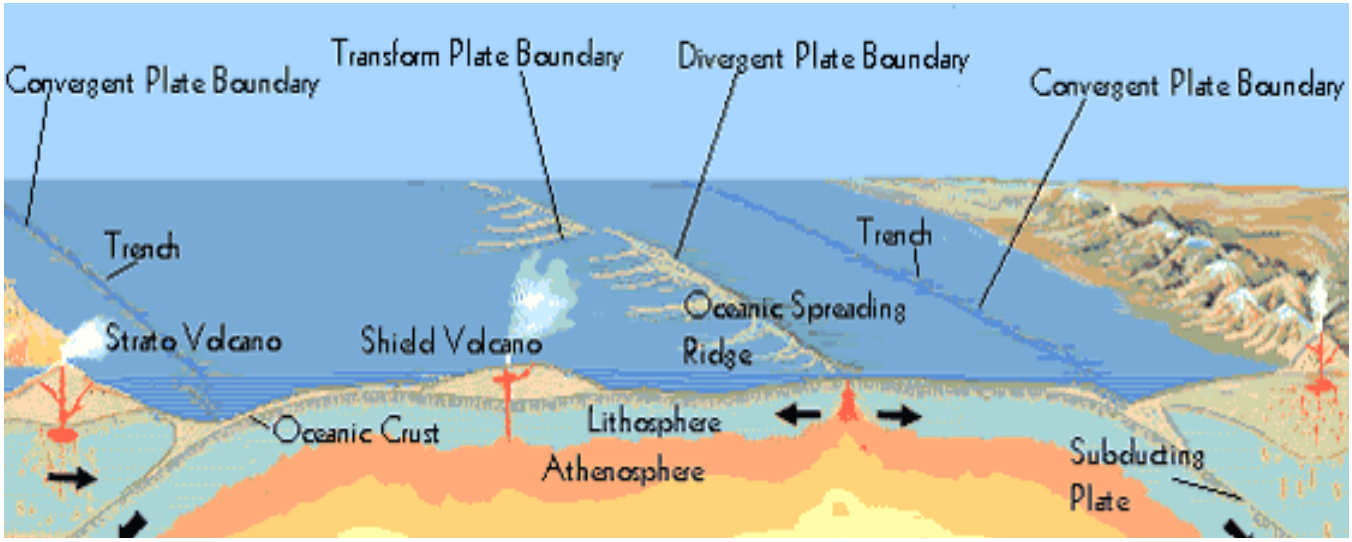


Plate
Plate
Asthenosphere
Divergent
Plate
Plate
Asthenosphere
Convergent
Plate
Plate
Asthenosphere
Transform


Oceanic Plate
Continental Plate
Mantle
Rising Magma
Continental Crust
Continental Crust
Lithosphere
Lithosphere
Asthenosphere
Asthenosphere
Continent- Continent Convergence


continent
marginal basin
island arc
SUBDUCTION ZONE
trench
mid-ocean ridge
accretionary wedge sediments
ASTHENOSPHERE
MESOSPHERE


Convergent Plate Boundary
Transform Plate Boundary
Divergent Plate Boundary
Convergent Plate Boundary
Trench
Trench
Strato Volcano
Shield Volcano
Oceanic Spreading Ridge
Oceanic Crust
Lithosphere
Athenosphere
Subducting Plate