

Rock Cycle #1

NAME: _____

DATE: _____

Learning Goal

Transform Boundary

Divergent Boundary

Convergent Boundary

Concept Map

Describe how the movement of crustal plates can cause earthquakes and volcanic eruptions that can result in mountain building and trench formation.

Learning Goal

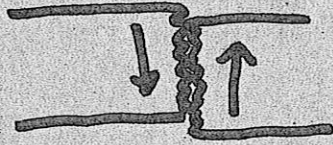
Transform Boundary

Divergent Boundary

Convergent Boundary

Concept Map

A transform boundary is a place where 2 plates slip past each other, moving in opposite directions. Earthquakes often occur on these boundaries, but crust is neither created or destroyed.



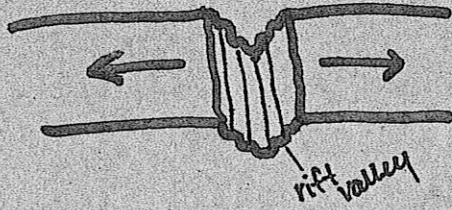
Transform Boundary

Divergent Boundary

Convergent Boundary

Concept Map

A divergent boundary is a place where 2 crustal plates move apart, or diverge. Most of these boundaries occur along the mid-ocean ridges where seafloor spreading occurs. These boundaries can also be found on land where the 2 plates slide apart and form a deep valley called a rift valley.

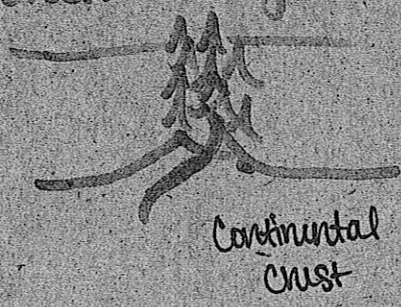
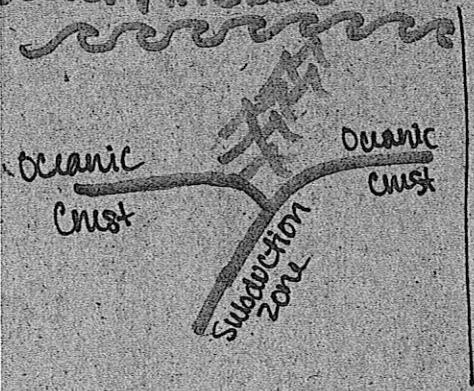


Divergent Boundary

Convergent Boundary

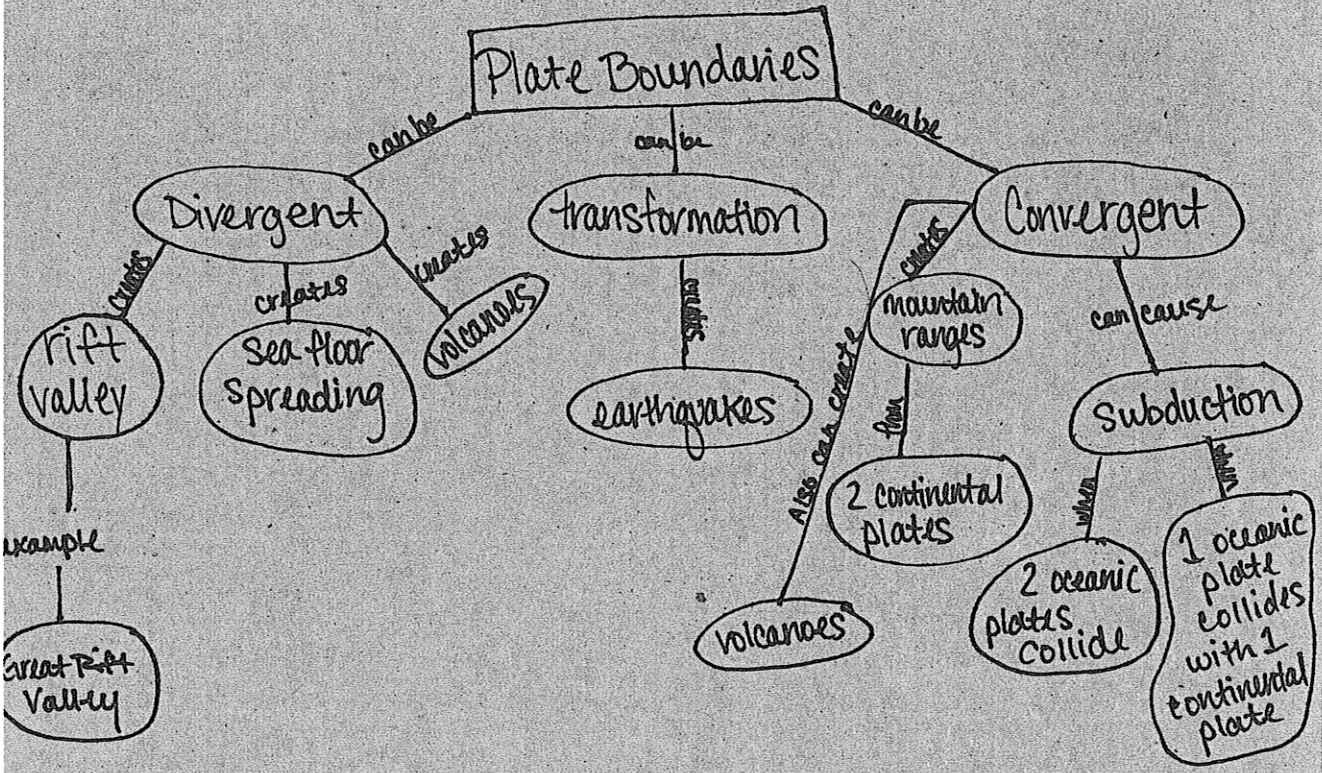
Concept Map

The place where 2 plates come together, or converge, is called a convergent boundary. When 2 plates converge the result is called a collision. At this collision whichever plate is more dense will sink under the other. When 2 continental plates collide, subduction does not occur, instead mountain ranges form.



Convergent Boundary

Concept Map



Concept Map