

Tectonic plate boundaries

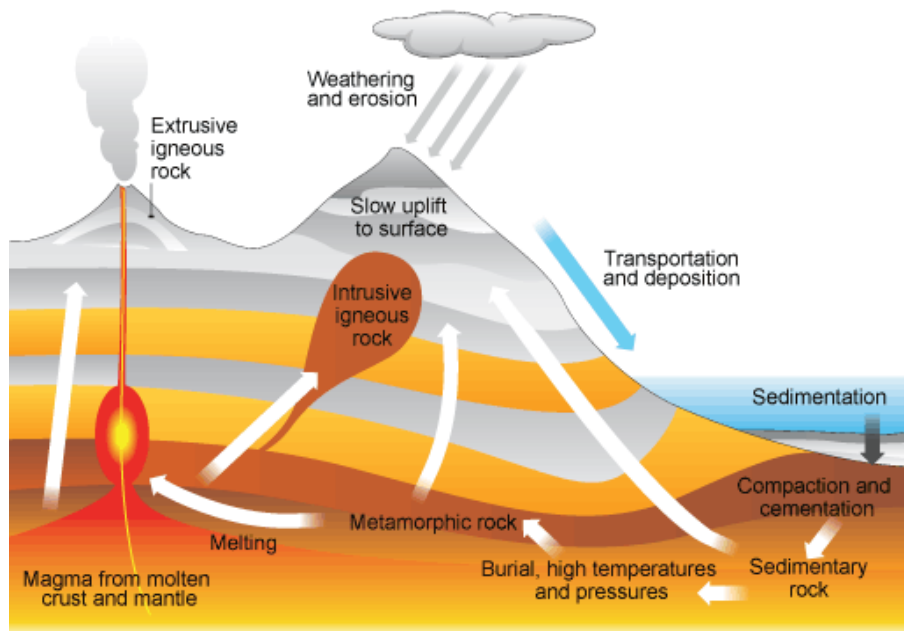
Type of Margin	Divergent	Convergent	Transform
Motion	Spreading	Subduction	Lateral sliding
Effect	Constructive (oceanic lithosphere created)	Destructive (oceanic lithosphere destroyed)	Conservative (lithosphere neither created or destroyed)
Topography	Ridge/Rift	Trench	No major effect
Volcanic activity?	Yes	Yes	No

The plates are always stressed out

Aftershocks occur when the plates are settling out

Ocean plates are more dense so it goes beneath the continental plate in collisions

The rock cycle



The Weather

What is weather and climate

- Weather operates on a scale of days
- Climate operates on scale of decades
- So a Meteorologist looks at instantaneous data

- A Climatologist looks at long sequences of data and established averages and trends