

TECTONIC PLATE BOUNDARY SUMMARY

BOUNDARY TYPE	MOTION	GEOLOGIC FEATURES	REAL-WORLD EXAMPLE
Divergent (Constructive)	â†Œ Moving Apart	Mid-ocean ridges, rift valleys, fissure eruptions, new lithosphere creation.	<i>Mid-Atlantic Ridge, East African Rift.</i>
Convergent (Destructive)	â†Œ Moving Together	Subduction zones, deep-sea trenches, volcanic island arcs, mountain building.	<i>Andes Mountains, Mariana Trench, Himalayas.</i>
Transform (Conservative)	â†Œ...Sliding Past	Fault lines, high earthquake activity, no volcanic activity, crust is neither created nor destroyed.	<i>San Andreas Fault, North Anatolian Fault.</i>

Notes: Subduction occurs when an oceanic plate meets a continental plate. Collision occurs when two continental plates meet, resulting in rapid mountain uplift.