

TECTONIC PLATE BOUNDARY EXAMPLES

BOUNDARY TYPE	MOTION	TOPOGRAPHIC FEATURES	REAL-WORLD EXAMPLES
Divergent	ââââ âSpreading	Mid-ocean ridges, Rift valleys, Fissure volcanoes	Mid-Atlantic Ridge, East African Rift Valley
Convergent (Subduction)	ââââ âOverlapping	Deep-sea trenches, Volcanic island arcs, Mountains	Mariana Trench, Andes Mountains, Cascade Range
Convergent (Collision)	ââââ âCompression	Fold mountains, High plateaus	Himalayan Mountain Range, Southern Alps
Transform	â...Lateral Sliding	Fault lines, Offset rivers, Scarps	San Andreas Fault, North Anatolian Fault

Notes: Divergent boundaries create new crust; Convergent boundaries destroy or recycle crust; Transform boundaries conserve crust while releasing seismic energy.