

TECTONIC PLATE BOUNDARIES

BOUNDARY TYPE	MOTION	TOPOGRAPHY / FEATURES	EXAMPLES
Divergent $\hat{a}^+ \square \hat{A} \hat{a}^+$ Constructive	Plates pull apart; magma rises to create new crust.	Mid-ocean ridges, rift valleys, volcanic activity.	Mid-Atlantic Ridge, East African Rift.
Convergent $\hat{a}^+ \hat{A} \hat{a}^+$ Destructive	Plates collide; one may subduct under the other.	Deep ocean trenches, mountain ranges, island arcs.	Himalayas, Andes Mountains, Mariana Trench.
Transform $\hat{a}^+ \hat{A} \hat{a}^+$ Conservative	Plates slide horizontally past one another.	Fault lines, frequent earthquakes, offset crust.	San Andreas Fault, Alpine Fault (NZ).