PLATE BOUNDARY IDENTIFICATION CHART

Student Name: _____ Date: _____ Period: ____

BOUNDARY TYPE	MOTION DESCRIPTION	GEOLOGIC FEATURES & EVENTS	REAL-WORLD EXAMPLE	ARROW DIAGRAM
Divergent (Oceanic)	Plates move apart	Mid-ocean ridges, seafloor spreading, rift valleys, shallow earthquakes.	Mid-Atlantic Ridge	Draw Arrows Here
Divergent (Continental)	Plates move apart	Rift valleys, volcanic activity, step-faulting.	East African Rift	Draw Arrows Here
Convergent (Oceanic-Cont.)	Plates collide (Subduction)	Deep-sea trenches, volcanic mountains (arcs), deep earthquakes.	Andes Mountains	Draw Arrows Here
Convergent (Oceanic-Oceanic)	Plates collide (Subduction)	Island arcs, oceanic trenches, subduction zones.	Aleutian Islands	Draw Arrows Here

BOUNDARY TYPE	MOTION DESCRIPTION	GEOLOGIC FEATURES & EVENTS	REAL-WORLD EXAMPLE	ARROW DIAGRAM
Convergent (Cont.-Cont.)	Plates collide (Orogeny)	Folded mountain ranges, high plateaus, crustal thickening.	Himalayan Mountains	Draw Arrows Here
Transform	Plates slide past	Fault lines, frequent earthquakes, lateral displacement.	San Andreas Fault	Draw Arrows Here

Note: Arrows should indicate relative motion. For subduction zones, indicate which plate is denser and sinking.