Geology 12		Name:
Unit 2 – Earth: Core to Surface		Date:
Day 4 – Mechanisms of Plate Motion		Block:
Why do plates move?		
gravity a	and mantle convection	
Mantle Convection:	rom the white-not core to the brittle lite	ement of the mantle as it transfers heat f nosphere. The mantle is heated from below, perature decreases over long periods of time.
Like a lava lan	np!!!!	
3 Main Mechanisms	of Plate Motion:	
Slab Suction:		
due to mantle co	onvection	well them along at the
surface as well	<del>derneath the plates and through frictior</del> as when they are subducted	r pull them along at the
oceanic trench	ridge push  oceanic trench  mantle onvection  outer core	Plate Plate slab pull Convection Convection

Slab Pull: \_\_\_\_\_

a gravitational force pulling the cold subducting plate down into the mantle at a subduction zone

Ridge Push: \_

This is a gravitational force pushing down on the elevated ridge and because of the plates curvature it results in a horizontal force pushing the plate along the earth's surface



