

Handout 90

- **Purpose:** Recall previous experiences you have had with convection.
- **Guiding Questions:**
 - How is convection connected to plate movement, earthquakes, and volcanoes?

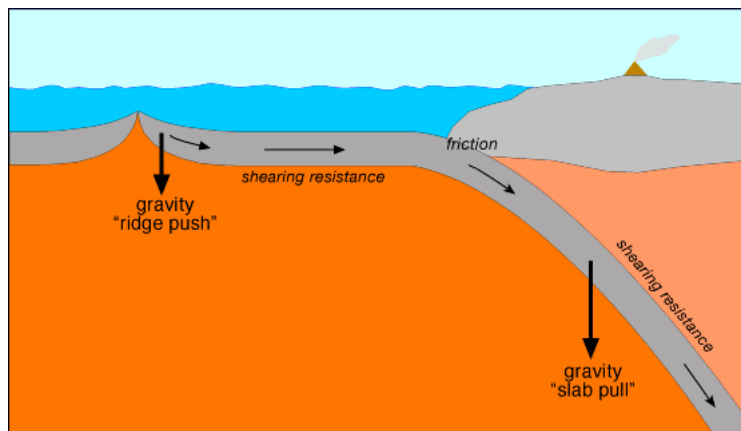
Handout 90

- **Instructions:**
 - Complete #1 and all of 2 with your group.
 - It's okay to say "I don't know" for the questions in number 2.
 - We'll discuss your thoughts and then do the tables at the bottom.

Slab Pull

- One driving force of plate movement.
- Write this down on your sheet:
 - **Old slabs of oceanic crust are more dense and sink, pulling the crust with it into the mantle.**

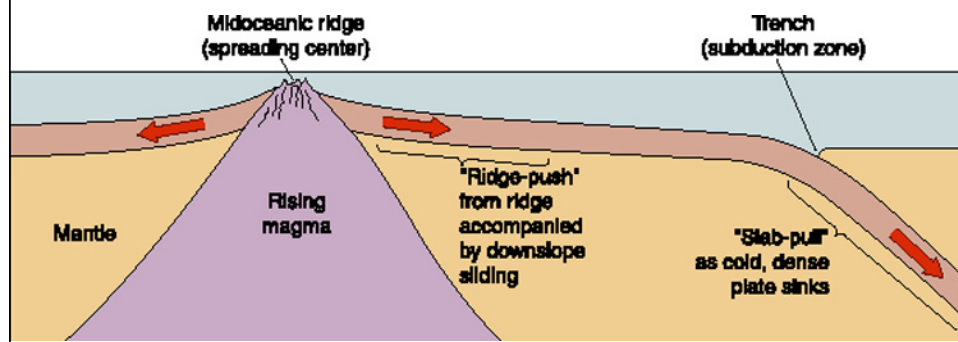
Slab Pull



Ridge Push

- Another driving force of plate movement.
- Write this down on your sheet:
 - Gravity-driven mechanism that causes crust to “slide” down the ocean ridge, moving the plate.

Ridge Push



Convection

- The primary driving force of plate movement.
- Write this down on your sheet:
 - **The movement caused by a substance heating up, becoming less dense, and rising, then cooling, becoming more dense, and sinking. This creates a circle of motion known as a convection cell.**

