

Tectonic plates rest on the mantle that is a hot, softer rock layer that can move and flow (metamorphic rock)

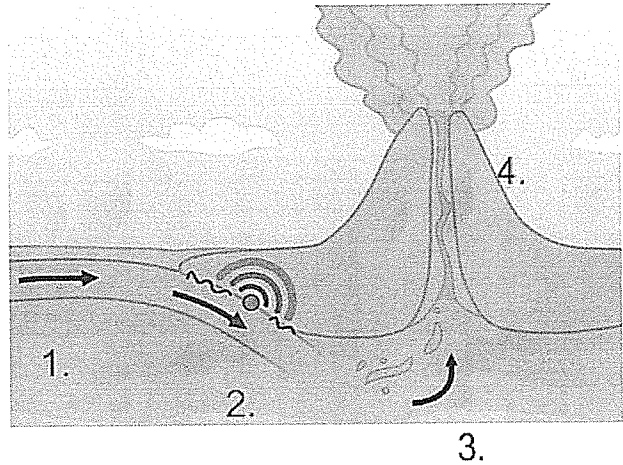
The plates ride on the moving mantle rock through convection

Tectonic Plate Movement:

- When plates move **towards each other**:

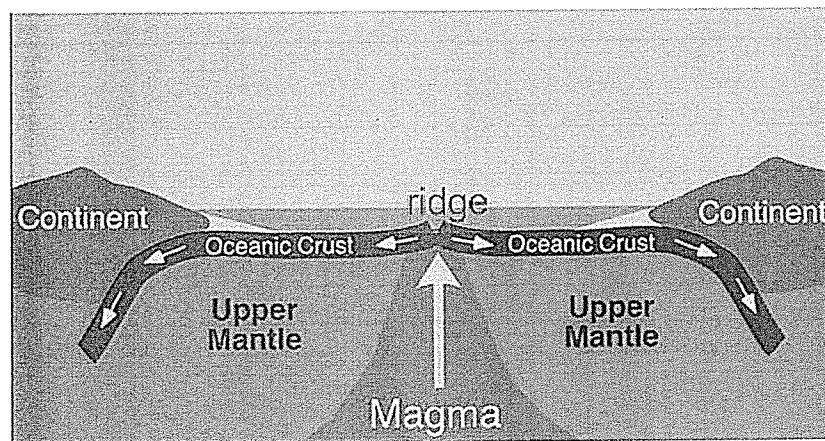
Convergent Plate Boundary

1. The thinner plate moves under the thicker plate - subduction zone
2. The thinner plate melts
3. The melted rock moves up through the neighboring plate
4. A **volcanic eruption** occurs



- When plates move **away from each other**: **Divergent Plate Boundary**

- A **ridge** forms
- Melted material comes through to the surface and hardens as rock
- When more rock forms, the plates get pushed further away



- When plates **move past each other: Transform Boundaries**
 - Plates rub against each other and cause **earthquakes**

