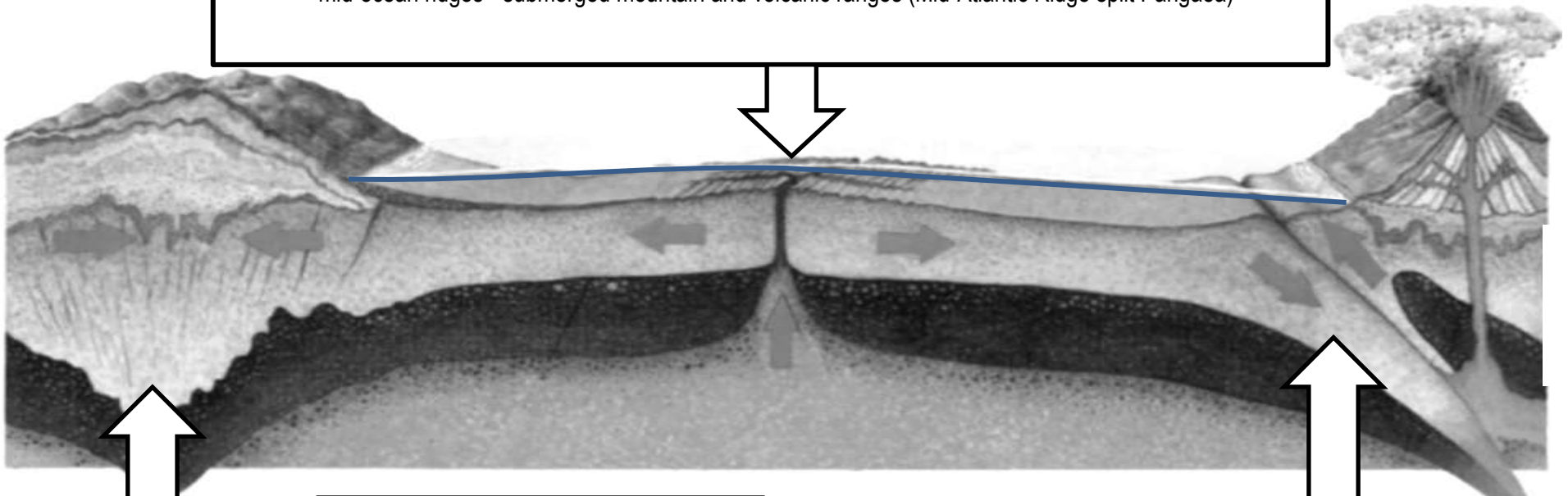


AIM: What are the different types of plate boundaries? (a review)

1. Divergent Plate Boundary

plates move away from each other (rifting = spreading)
 mid-ocean ridges - submerged mountain and volcanic ranges (Mid-Atlantic Ridge split Pangaea)

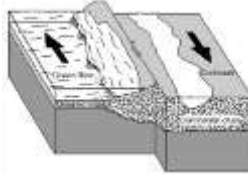


167

2. Convergent Plate Boundary

continent-to-continent collision
 mountain formation
 Himalayas - India

4. Transform Plate Boundary



plates shift side-to-side
 tension/pressure builds over time when plates are "locked"
 slippage = energy release = earthquake
 San Andreas Fault- California

3. Convergent Plate Boundary subduction zone (oceanic trench)

- a. ocean crust-to-continent collision -**
 dense ocean crust is forced under continent, sinks into mantle, and melts.
 forms coastline mountains and volcanoes
 → Andes Mountains – west coast of South America
- b. ocean-to-ocean crust collision**
 forms volcanic island arcs
 → Aleutian Islands (Alaska) and Philippine Islands