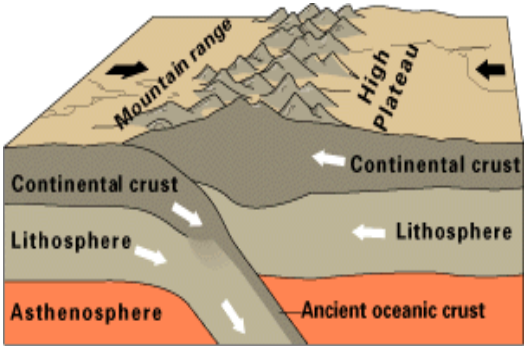
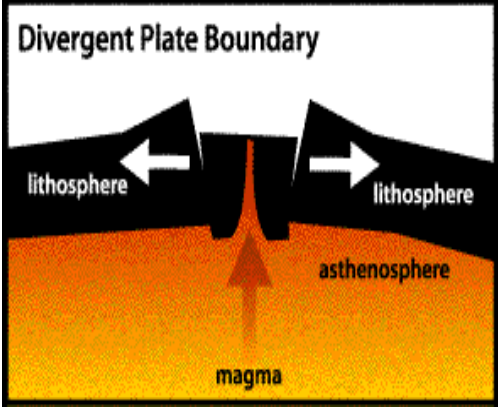
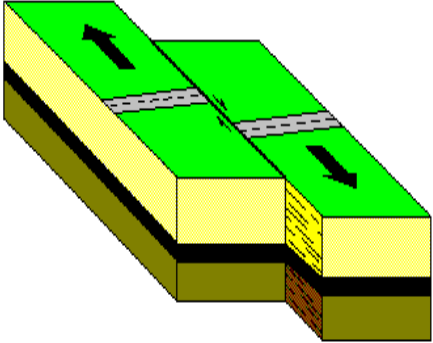
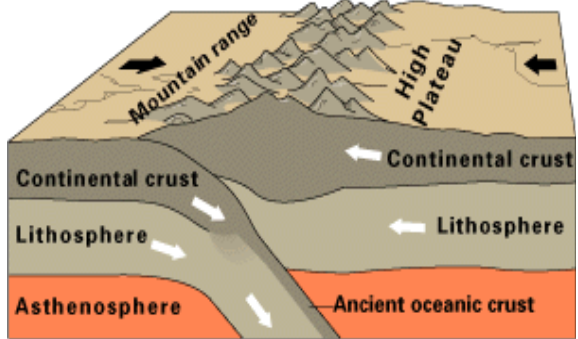
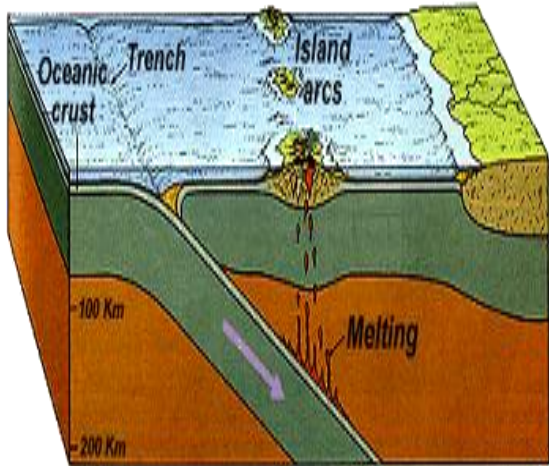
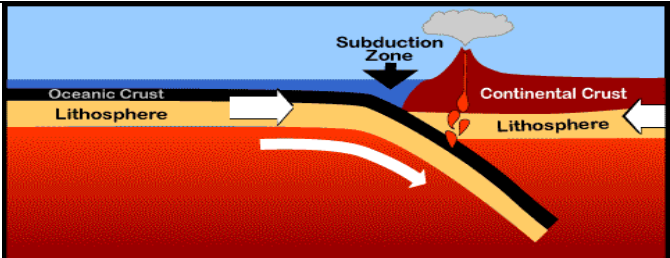


Plate Boundary Notes

Main Idea: Plates collide, separate, and move past each other.

3 types of plate boundaries	Movement	Diagram
Convergent	Plates are moving <u>toward</u> each other and are colliding	 <p style="text-align: center;">Continental-continental convergence</p>
Divergent	Plates are moving <u>away</u> from each other Ex. Mid Ocean Ridge	
Transform	Plates are moving <u>past one another</u> Ex. San Andreas Fault	

What happens when plates collide?

Type of Plates Colliding	Resulting Land Form	Diagram
Continental → Continental	Mountain Ranges Ex. Himalayan Mountains	 <p>Continental-continental convergence</p> <p>The diagram illustrates the collision of two continental plates. On the left, a 'Mountain range' is shown with arrows indicating the direction of compression. On the right, a 'High plateau' is depicted. Below the surface, the 'Continental crust' and 'Lithosphere' of both plates are shown being pushed together. The 'Asthenosphere' is visible beneath the lithosphere, and 'Ancient oceanic crust' is shown being subducted under the continental crust.</p>
Oceanic → Oceanic	Island Arc Ex. Aleutian Islands of Alaska	 <p>The diagram shows one oceanic plate subducting under another. A 'Trench' is formed at the point of subduction. 'Island arcs' are shown on the overriding plate. The subducting plate is labeled 'Oceanic crust'. The depth of the trench is marked as '100 Km' and '200 Km'. The process of 'Melting' is indicated in the asthenosphere beneath the subducting plate.</p>
Oceanic → Continental * Creates Subduction zones*	Volcanoes Ex. Pacific Ring of Fire!	 <p>The diagram depicts an oceanic plate subducting under a continental plate. The 'Subduction Zone' is labeled where the oceanic plate descends. The 'Oceanic Crust' and 'Lithosphere' are shown on the subducting plate, while the 'Continental Crust' and 'Lithosphere' are on the overriding plate. A volcano is shown on the continental plate above the subduction zone.</p>