



read

Natural Hazards

Plate Tectonics



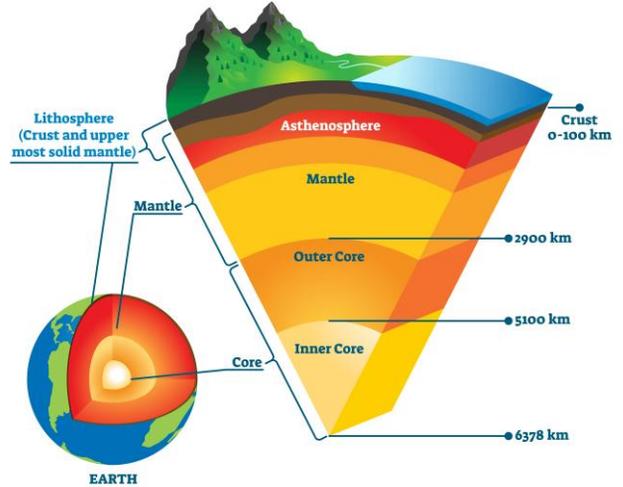
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The Big Picture



The Structure of the Earth

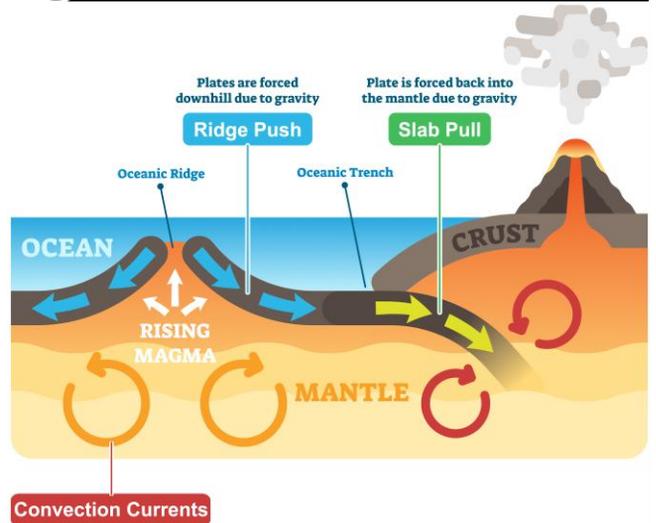


Key Terms

-  **Asthenosphere** – The upper layer of the Earth’s mantle.
-  **Crust** – The rigid shell that surrounds the mantle. Oceanic crust is thinner but more denser than continental crust.
-  **Distribution** – The way something is spread out or arranged over a geographic area.
-  **Inner core** – The solid centre of the Earth made up of iron and nickel.
-  **Lithosphere** – The more rigid outer part of the Earth.
-  **Mantle** - Solid material surrounding the core that can flow very slowly.
-  **Outer core** – The liquid layer of iron and nickel surrounding the inner core.
-  **Tectonic plate** – A section of the Earth’s crust.
-  **Plate margin** – The margin or boundary between two tectonic plates.



How do Plates Move?



The Distribution of Earthquakes and Volcanoes



- The distribution is not random.
- Narrow bands along plate margins.
- Occur on both land and sea.
- Volcanoes are found at constructive and destructive plate margins.
- Earthquakes occur at all three boundaries.