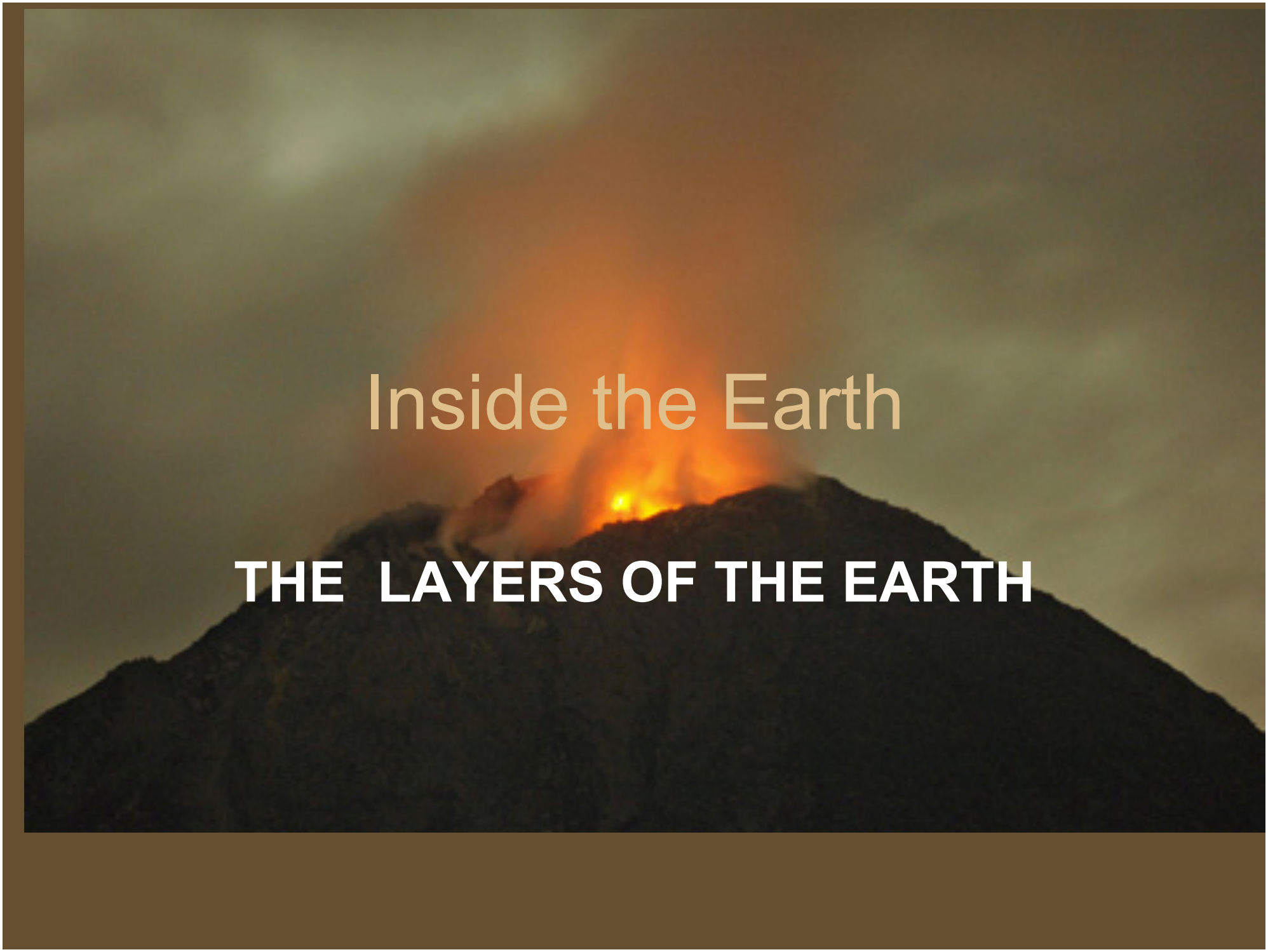
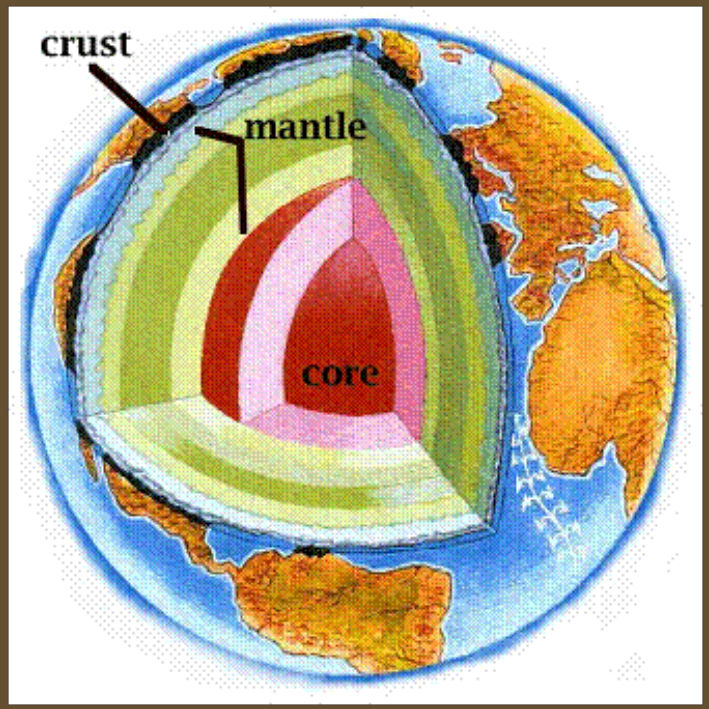

Inside the Earth
THE LAYERS OF THE EARTH

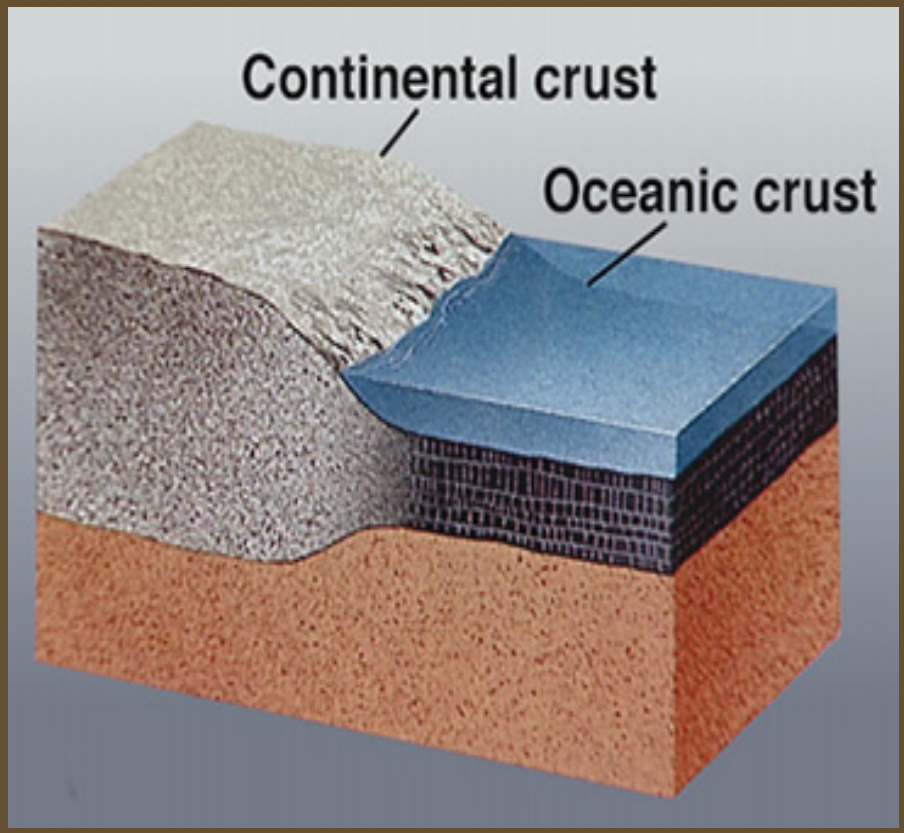
Composition (What it is made of)

- Crust
- Mantle
- Core

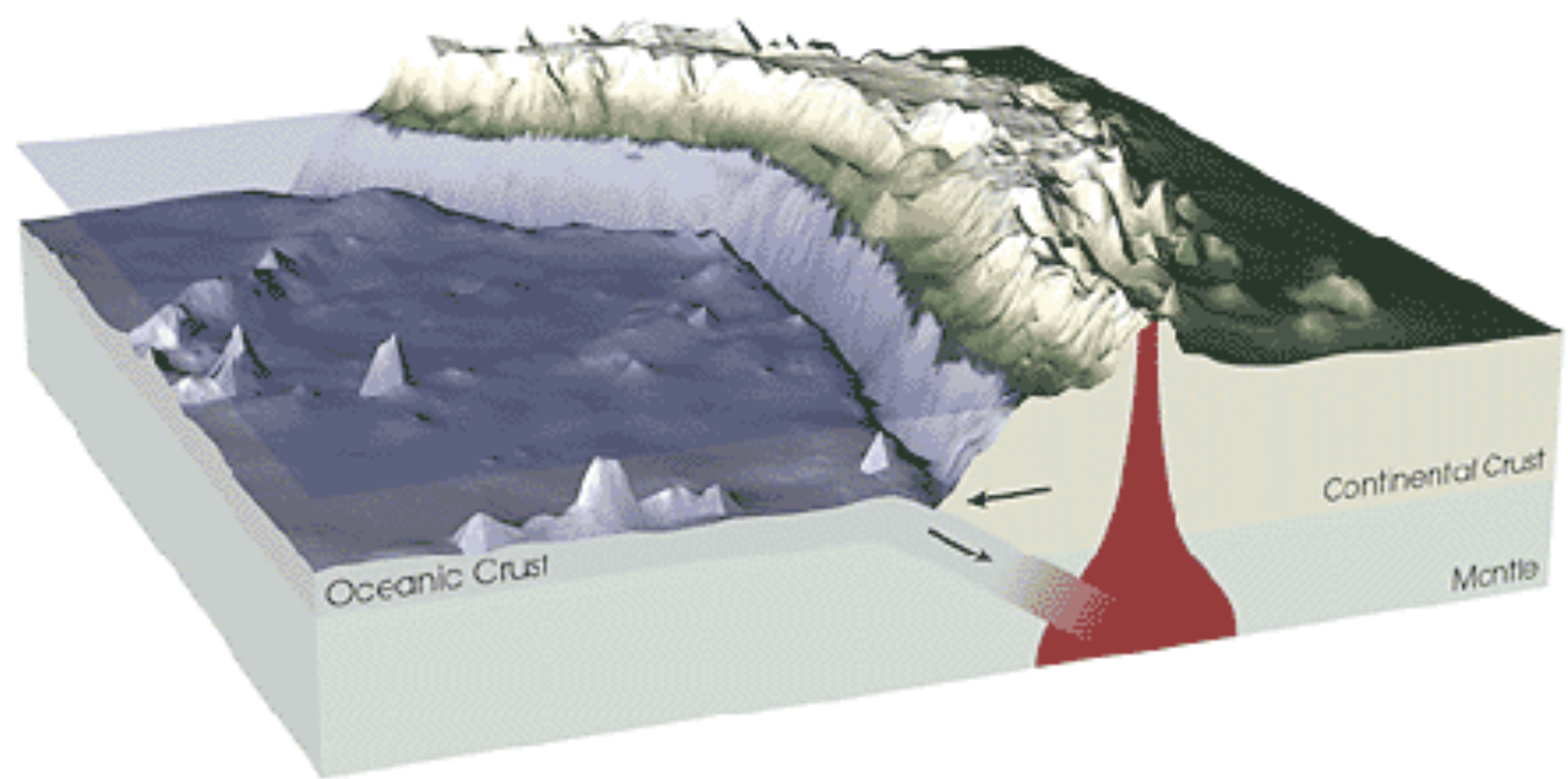


The Crust

- Outer layer
- 5-100 km thick
- 2 types of crust
  - Oceanic (very dense, made of basalt)
  - Continental (less dense, made of granite)

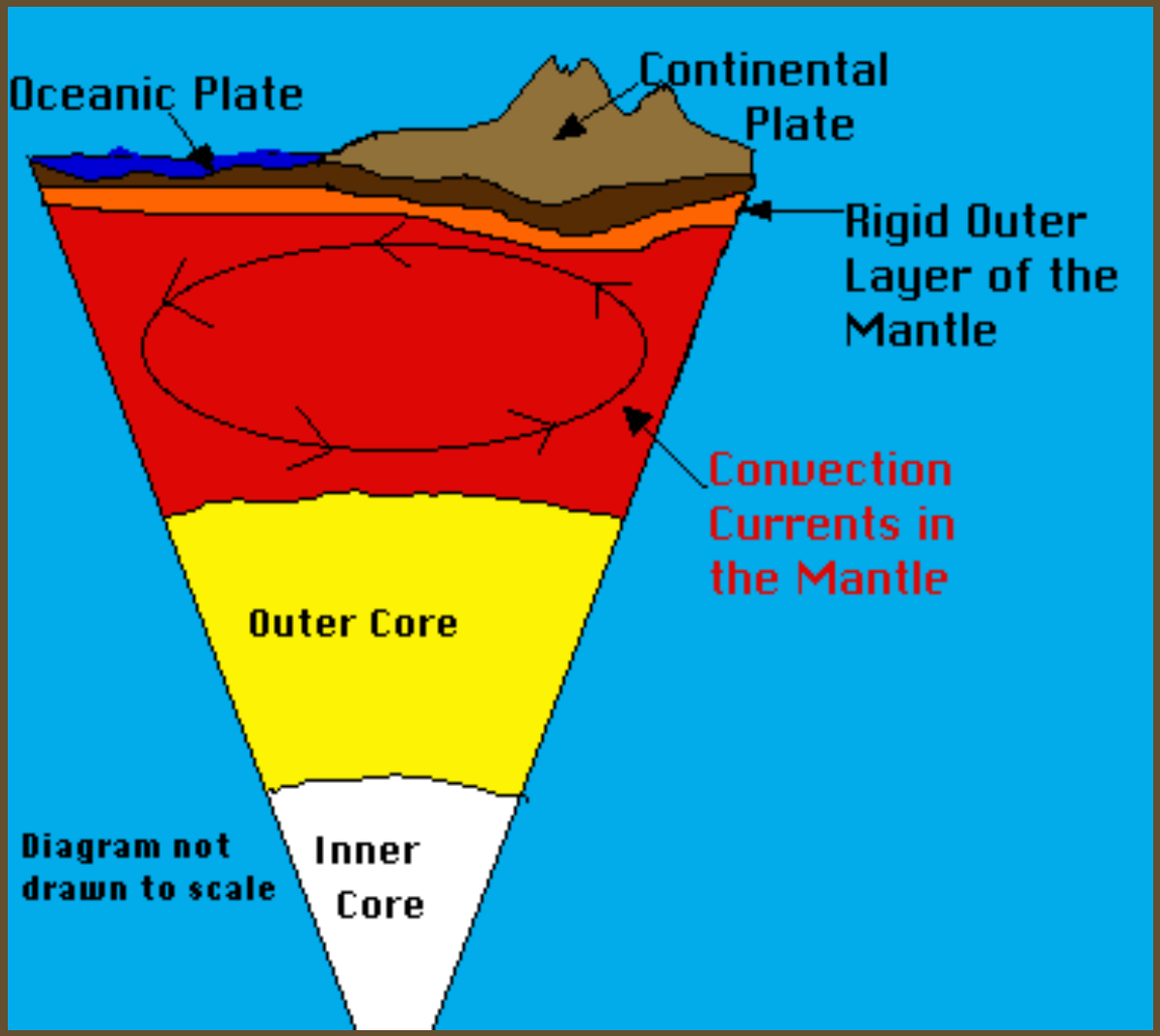


Oceanic and Continental Crust



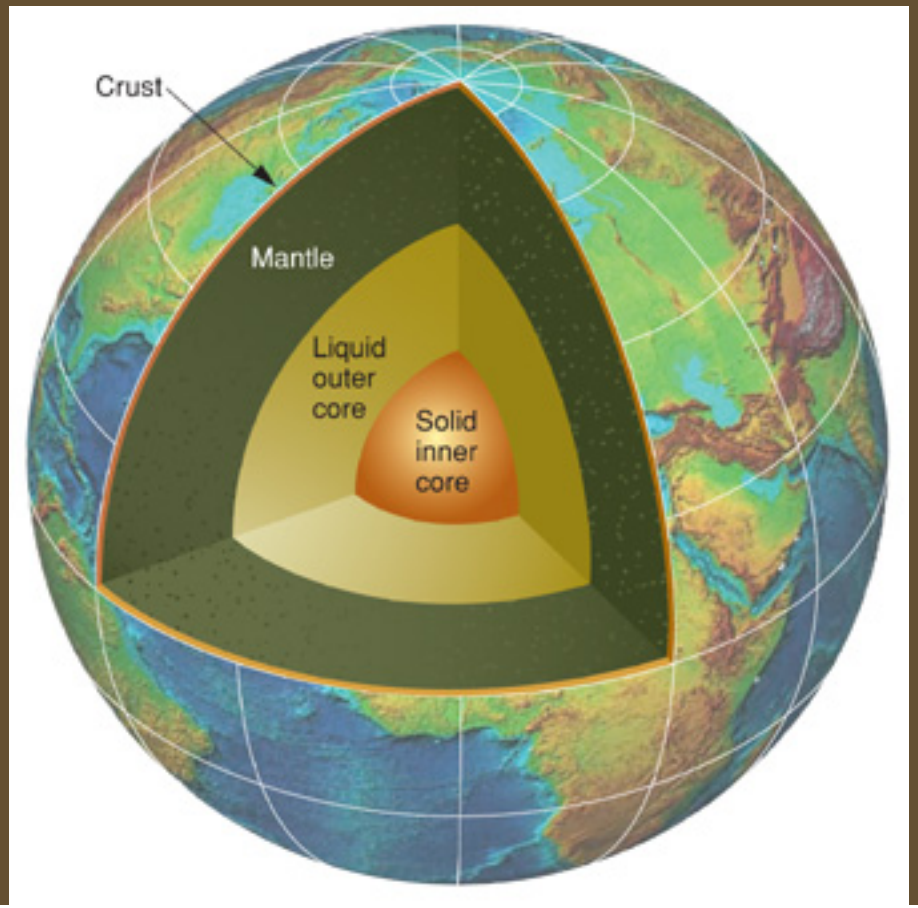
The Mantle

- Middle layer
- Very thick layer



The Core

- Made mostly of iron
- 1/3 of the earth's mass
- Very hot



Earth's Layers

- How are the earth's layers similar to an egg?

- Shell=crust
- Egg white=mantle
- Yolk=core

Physical Structure of the Earth (5 Layers)

- Lithosphere- rigid outer layer (crust)
- Asthenosphere- solid rock that flows slowly (like hot asphalt)
- Mesosphere- middle layer
- Outer Core- liquid layer
- Inner Core- solid, very dense

Tectonic Plates

- Earth's crust is broken into about 19 pieces
- These plates move on top of the asthenosphere