

Science 7
The Earth's Layers

The Four Layers

The Earth is composed of four different Layers.

Many geologist believe that as the Earth cooled the heavier, denser materials sank to the center and the lighter materials rose to the top.

Because of this, the crust
is made of the lightest materials

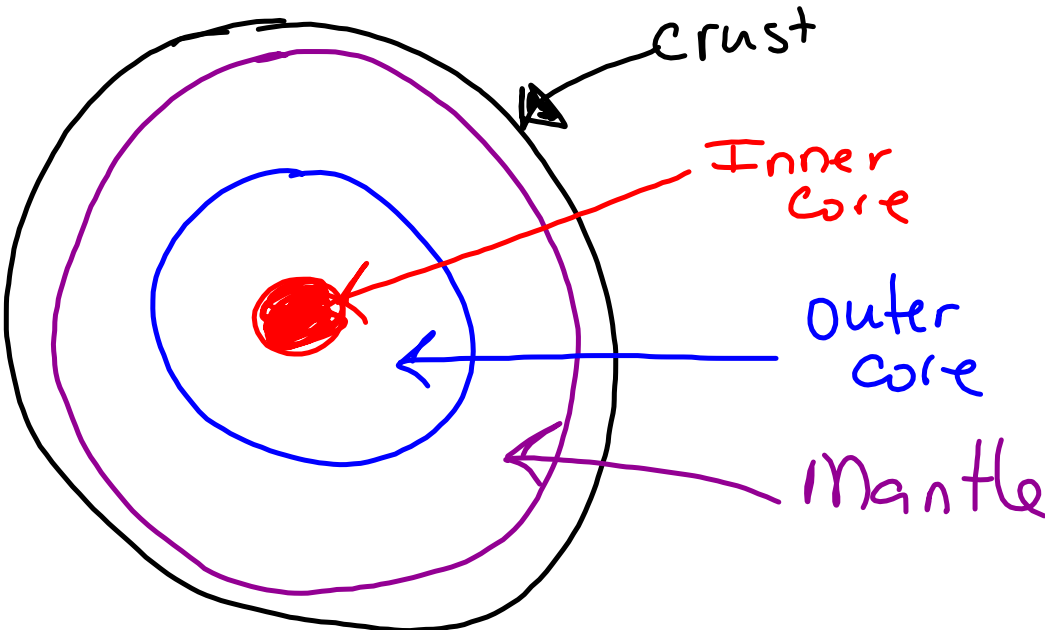
Rock
basalts
granites

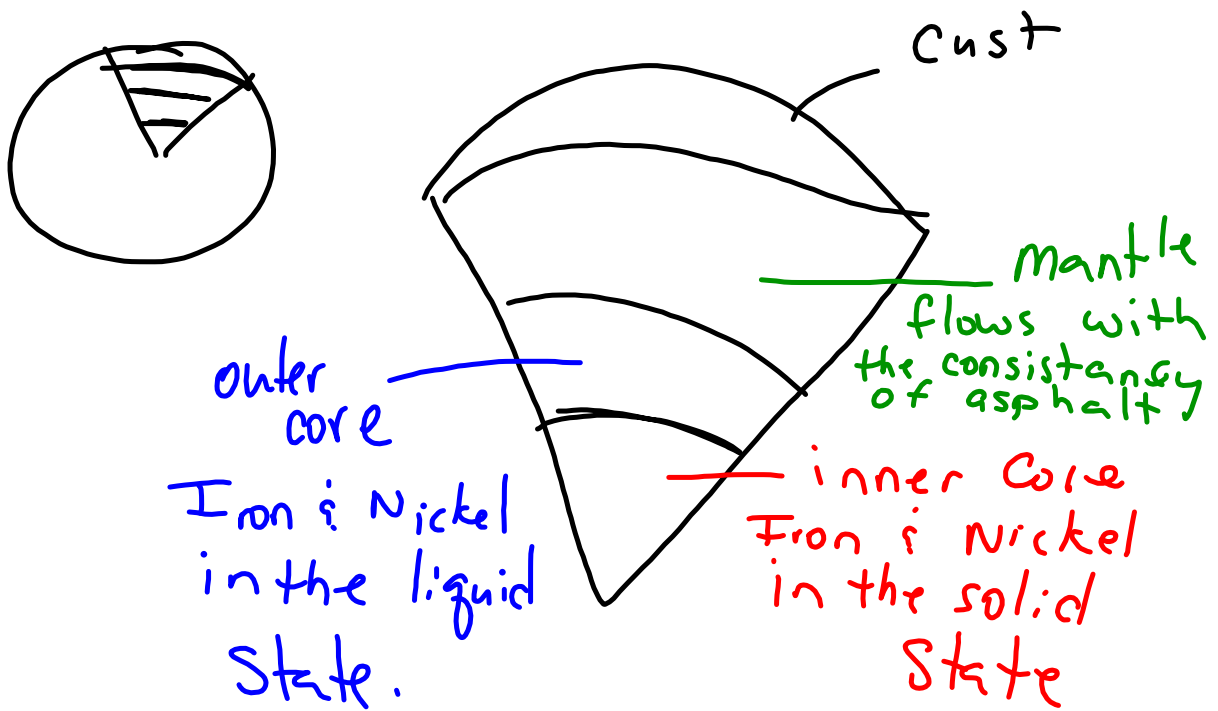
and the core consists of heavy
metals: Nickel & iron.

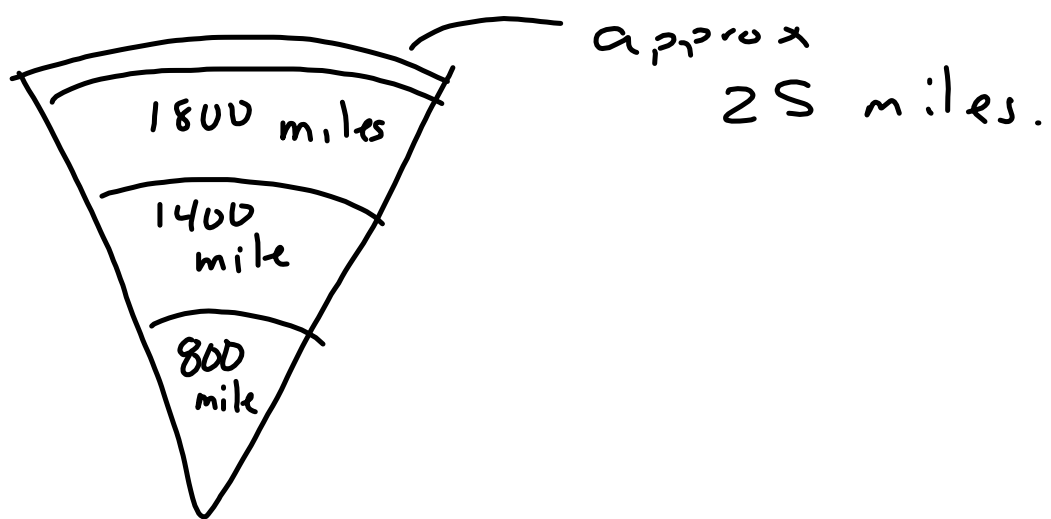
The crust is the layer that you live on.

The mantle is much hotter and has the ability to flow.

The outer and Inner Cores are hotter still with pressures so great that you would be squeezed into a ball smaller than a marble if you were to go to the center of the Earth!







The Crust

The Earth's crust is like the skin of an apple. It is very thin in comparison to the other three layers.

The crust of the Earth is broken into many pieces called plates.

The plates "float" on the soft mantle which is located below the crust.

These plates usually move along smoothly but sometimes they stick and build up pressure.

The pressure build up and the rock bends until it snaps.

When this occurs an earthquake is the result !