

## The Earth's Interior

	Earth Layer	Thickness	Temperature	what is it made of? Composition	Other Facts
Crust	Continental crust	0-100 Km	Temperature varies	Continental - granite, silicon, oxygen	Solid Continental density - $2.7 \text{ g/cm}^3$
	Oceanic crust			Oceanic - basalt, magnesium, iron, silicon, oxygen	Oceanic density - $3.0 \text{ g/cm}^3$ Oceanic is denser, goes under continental if collide
Mantle	upper mantle	2900 Km	1,400°C - 3000°C	Magnesium, iron, silicon, oxygen	Solid Upper mantle density - $3.9 \text{ g/cm}^3$
	lower mantle				plastic-like lower mantle density - $5.0 \text{ g/cm}^3$
	Outer core	2200 Km	4,000°C - 5,000°C	Iron, Nickel	Liquid Density - $11.1 \text{ g/cm}^3$  Responsible for magnetic field
	inner core	1250 Km	5000°C - 6000°C	Iron, Nickel	Solid Density - $13.0 \text{ g/cm}^3$ Densest due to extreme pressure from above layers