

Table 1.3 Temperature Distribution and Transition Zones Between Regions of Earth's Interior

Region	State	Connecting Zone	Depth (km)	Temperature (°C)	Density (g/cm ³)	Composition	Region
Crust	Rigid Plates	.....0.....	.....0-50.....	.....0-50.....	.....2.7.....	Na,K aluminosilicates ^a	Lithosphere
		.....10-20 ^c.....	.....?.....	.....?.....	.....3.0.....	Fe,Ca,Mg aluminosilicates ^b	
Mantle	Solid	.....Moho.....	.....6-70.....	.....500-1000.....	.....3.6-4.4.....	Fe,Mg silicates	Asthenosphere
		.....Solidus.....	.....100-200.....	.....1200.....	.....4.5-5.5.....	Fe,Mg silicates &/or oxides	
	Viscous Mass	.....Solidus.....	.....700.....	.....1900.....	.....10-12.....	.....Fe,Ni.....	Core
		.....Rigid Mantle.....	.....2800.....	.....3700.....	.....12-13.....	.....Fe,Ni.....	
Core	Solid	.....Center.....	.....6340.....	.....4500.....	.....12-13.....	.....Fe,Ni.....	Core
		.....Solidus.....	.....5500.....	.....4300.....	.....12-13.....	.....Fe,Ni.....	

^aSial: Silicic crust - consisting of composition shown, non-existent in oceanic crust.

^bSima: Mafic crust - consisting of composition shown.

^cConrad discontinuity, 0 under oceans.