



Earth Structure
(Not to Scale)

Inner Core

Outer Core

Lower Mantle

Upper Mantle

Crust

Composition: Solid iron and nickel

Composition: Molten iron and nickel

Composition: Molten rock, mostly peridotite

Sub-Layers: Outer layer joined to crust (lower part of lithosphere)

Composition: Solid rock, mostly peridotite

Sub-layers: asthenosphere

Composition: molten rock, mostly peridotite

Sub-Layers: Oceanic plates

Composition: igneous rock, mostly basalt

Sub-layers: Continental plates

Composition: sedimentary, metamorphic, and igneous rock,
mostly granite

Solid

Liquid

5,100 km

2,900 km

Asthenosphere

6,378 km