

Earth notes

1/12/16

The Earth is oblate - fat at the equator.

Radius of the Earth: 6400 km
4000 miles

Diameter: 12800 km
8000 miles

Mass: 6.0×10^{27} grams

average Density: 5.5 g/cm^3

↳ crust has lower density

↳ core has higher density

How do we know what is on the inside of the earth?
- Earthquakes.

P waves & S waves

P wave - pressure wave
longitudinal

→
solid & liquid

energy travelling parallel

S wave - Shear wave
transverse



energy travelling perpendicular

only travel through solid

- we know layers of Earth, thickness of layers & rocks in layers b/c of these waves