

mantle

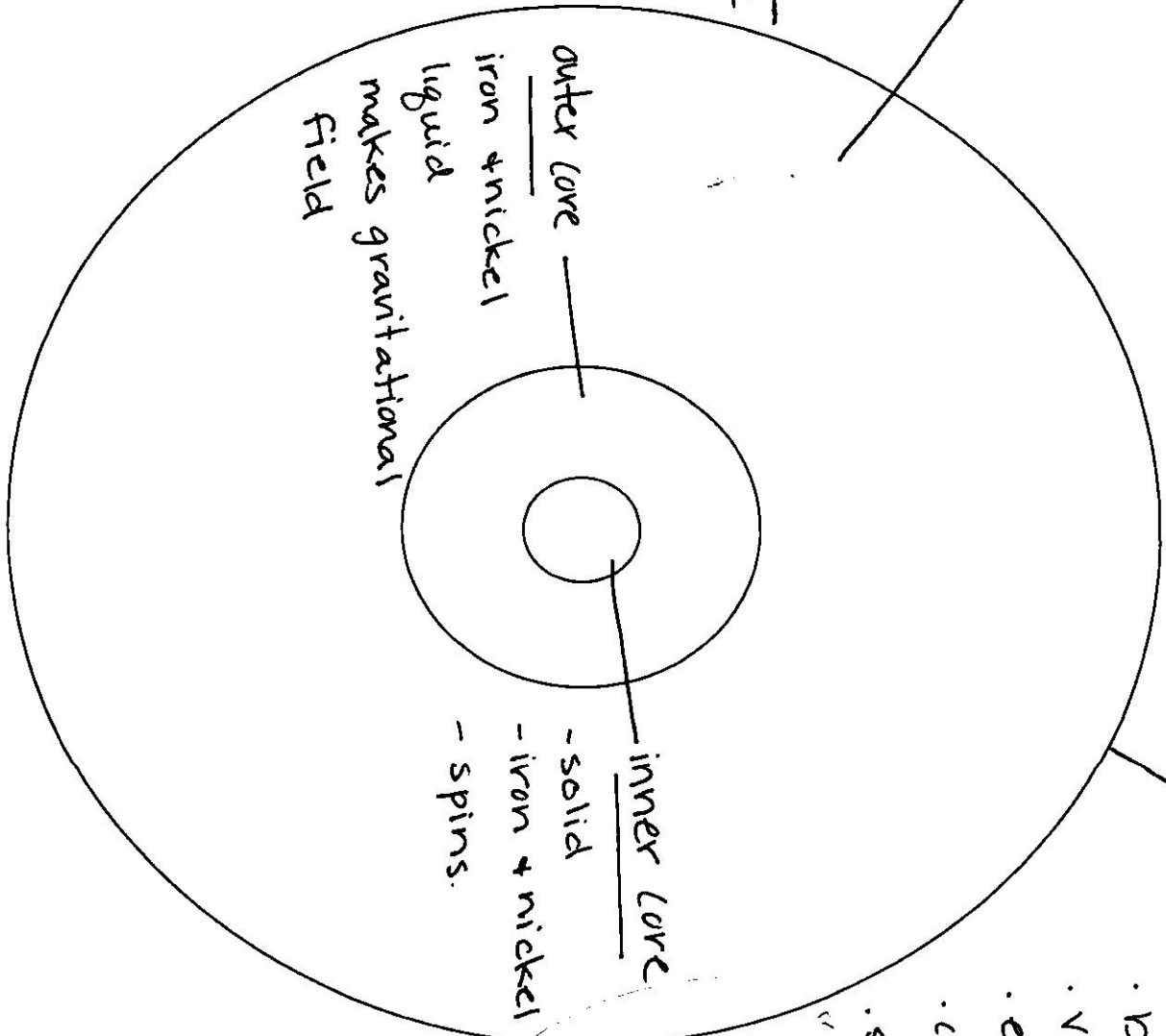
• iron - magnesium silicate

Lithosphere

- upper most mantle & crust 0-100 km
- make up plate tectonics
- brittle

Athenosphere

- part of the mantle \approx 100 km - 200 km
- allow plates to move
- plastic "mushy"



Crust

Ocean

- Basalt
- volcanic
- extrusive
- cool fast
- sm.
- "crystals"
- 3-5 mi thick
- dark color

Continental

- granite
- plutonic
- intrusive
- cool slowly
- large crystals
- 15-20 mi thick
- light colored
- phaneritic