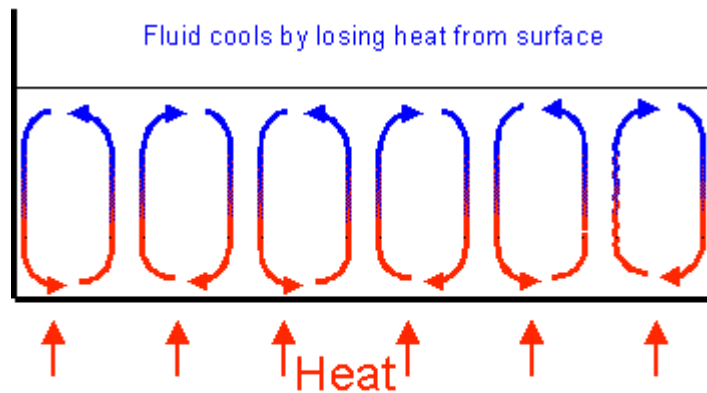


C3 L1 : The Geological Origins Of Britain

Describe how geologists use magnetic evidence to track the movement of the continents
give examples of evidence that shows different rocks in Britain formed in different climates

Convection



Convection cell

Warm, low density fluid rises

Cool, high density fluid sinks

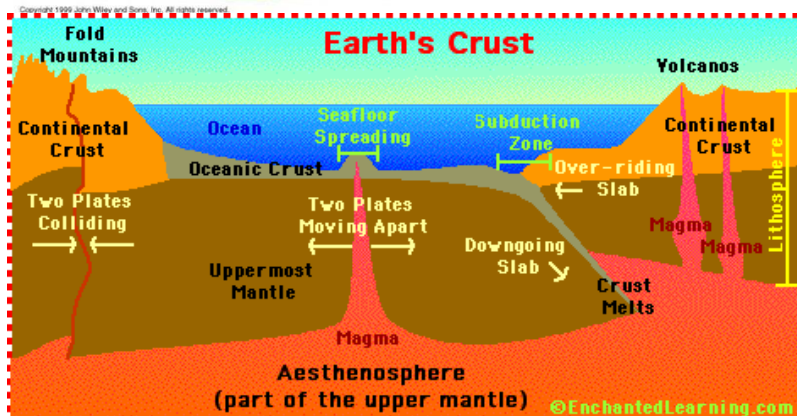
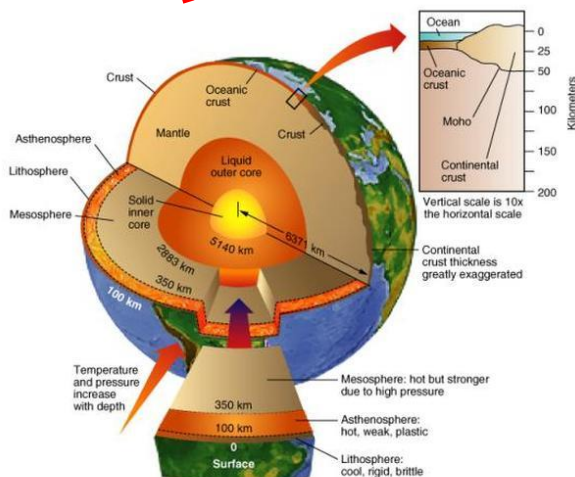
Particles move more when hot . Take up more space so lower density . Lower density allows the particle to rise .
Particles cool down and get closer - more dense and therefore falls . (Convection Current)

The heat in the earth model is provided by -- Nuclear Fission / radioactive decay in the core
-> Continental drift

Convection happens in -> Mantle + Outer Core

Why do tectonic plates move?

Fission releasing heat - convection . Hot rock rising - New sea floor - plate moving right



Shells - Calcium carbonate (Takes in carbon dioxide) - Forms limestone

Evidence for continental drift :