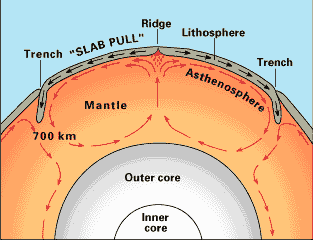
**EARTH in summary**

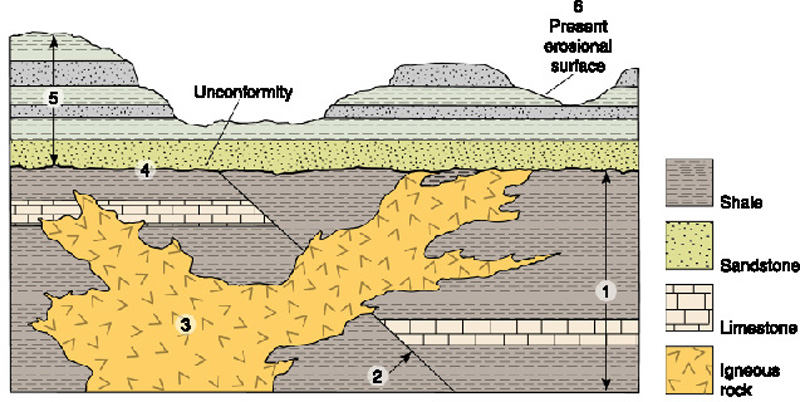
1. Convection in the mantle is necessary for plate tectonics to occur. We now believe that ‘SLAB PULL’ is the mechanism that sets the plates in motion.



1. Rocks are generally deposited in horizontal layers. Any fold/fault/intrusion/erosion that affects a layer or layers is younger than that layer.

1. We know that #4 (unconformity) is younger than the #3 intrusion because the surface of the intrusion seems to have been eroded.



1. We understand the age of the earth with the help of radiometric dating (not 14C, it’s half-life is too short), but with other long-lived radioisotopes such as 238U - 206Pb and  40K - 40Ar.