## Plate tectonics and Earth dynamics



Those who see the sinking cold rind as the main driver are advocates of "slab pull" or perhaps better "plate slide"; those who see the rising hot mass as the main driver are advocates of "ridge push" or perhaps better "ridge rise"; those who see a circular flow of variably heated material as the main driver are advocates of "mantle convection".

Material that has been made less dense and more ductile by heating continues to rise.

One might ask "why is there plate tectonics?" This page provides this answer: because heating of

Earth's interior by radioactivity, and cooling of Earth's surface, create inversions of density. Those