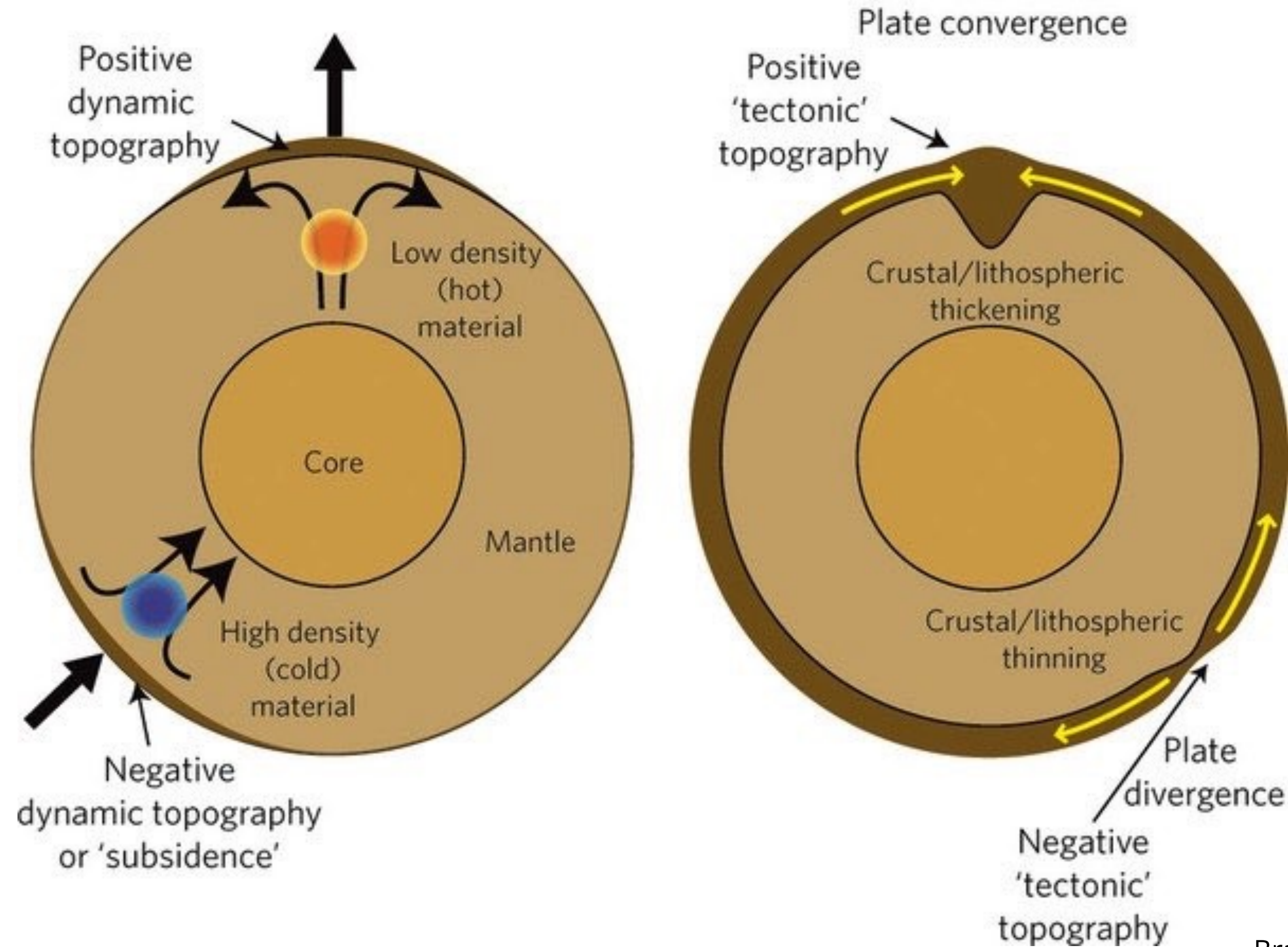


How do basins form?

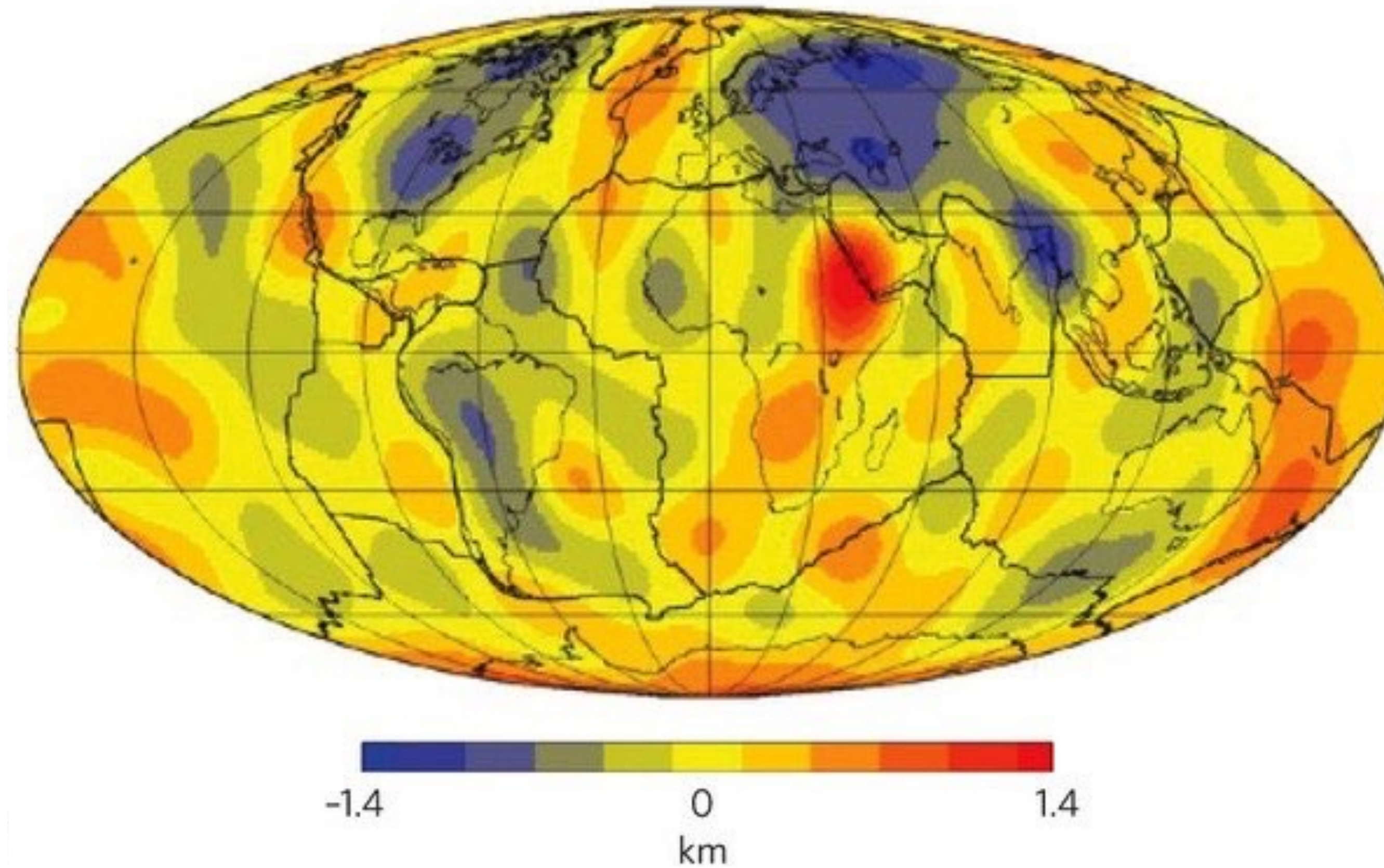


Braun [2010]

**Mantle-driven
tectonics**

Significant portion of Earth's topography results from the viscous stresses created by flow within the underlying mantle

How do basins form?



Estimates of present dynamic topography [Braun 2010]

**Mantle-driven
tectonics**

Dynamic topography is **transient**, varying as mantle flow changes, and is characterised by **small amplitudes** and **long wavelengths**.