Brittle-dominated deformation

(a) Extension
Lower crust (brittle)
Lower crust (ductile, weak)
Lithospheric mantle (ductile, weak)
Asthenosphere (fluid)

(b) Shortening
Reverse reactivation of normal faults + uplift of basin floor
Uniform thickening of ductile layers

Viscous-dominated deformation

(c) Extension
Lower crust (brittle)
Lower crust (ductile, weak)
Lithospheric mantle (ductile, strong)
Periodic necking of strong ductile layer (boudinage)
Asthenosphere (liquid)

(d) Shortening
Reverse reactivation of normal faults + selective uplift of basin floor ($\lambda_v > \lambda_B$)
Folding of previously thinned ductile layers