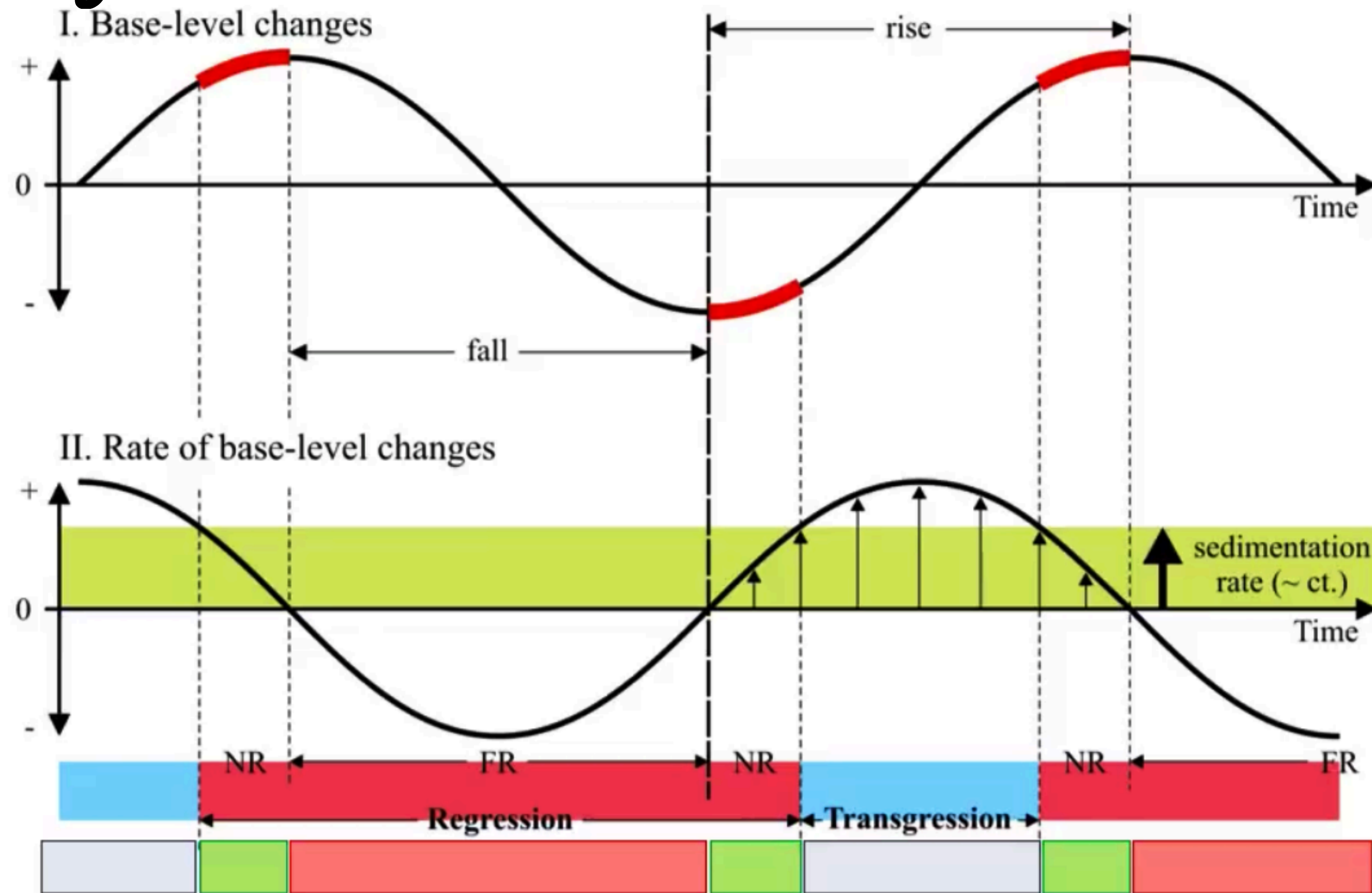# Systems tracts and shoreline shifts
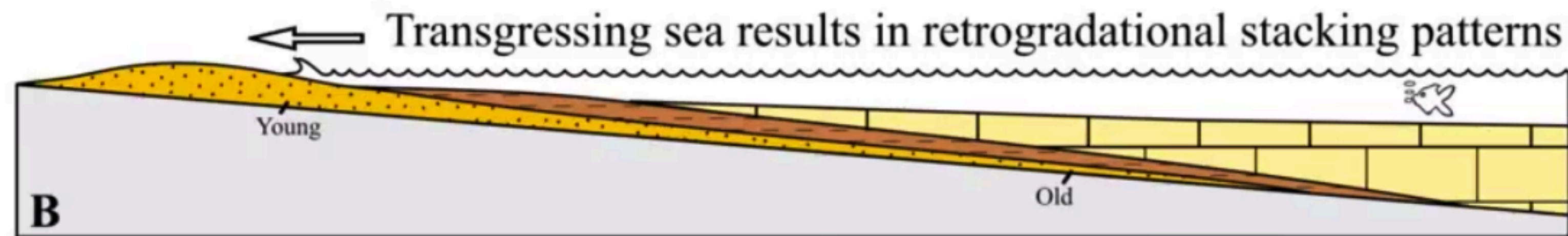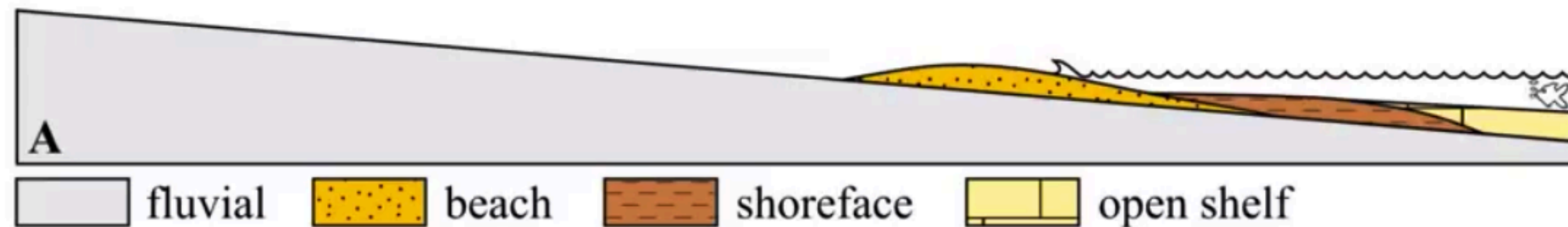

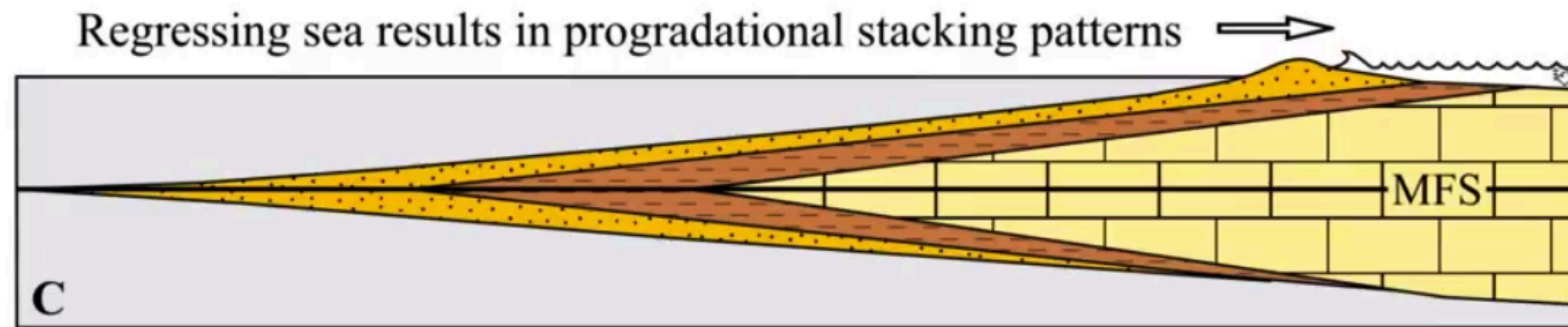Normal regression occurs during base level rise (rate<sedimentation)

Forced regression occurs during base level fall

Systems tracts and shoreline shifts

Shifts in shoreline position create distinct vertical stacking patterns of facies (retrogradation vs. progradation)

Legend: fluvial · beach · shoreface · open shelf

Transgression: *landward shoreline & facies shift*

Regression: *seaward shoreline & facies shift*