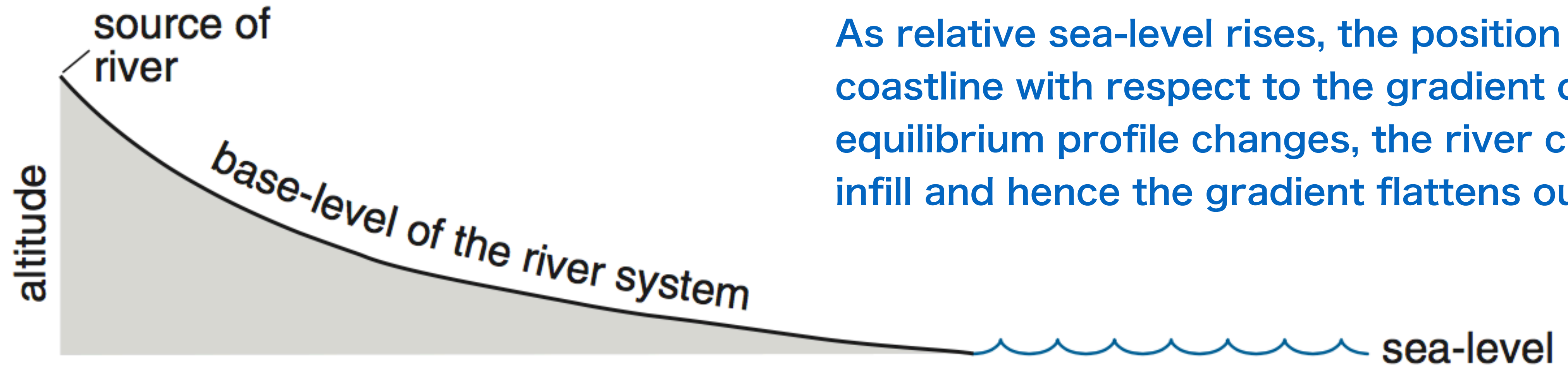
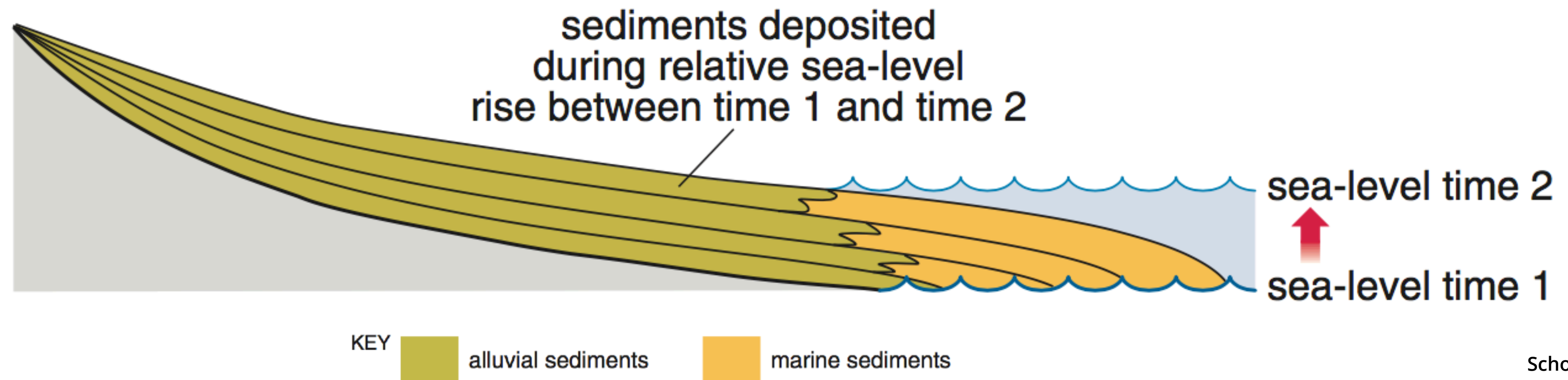


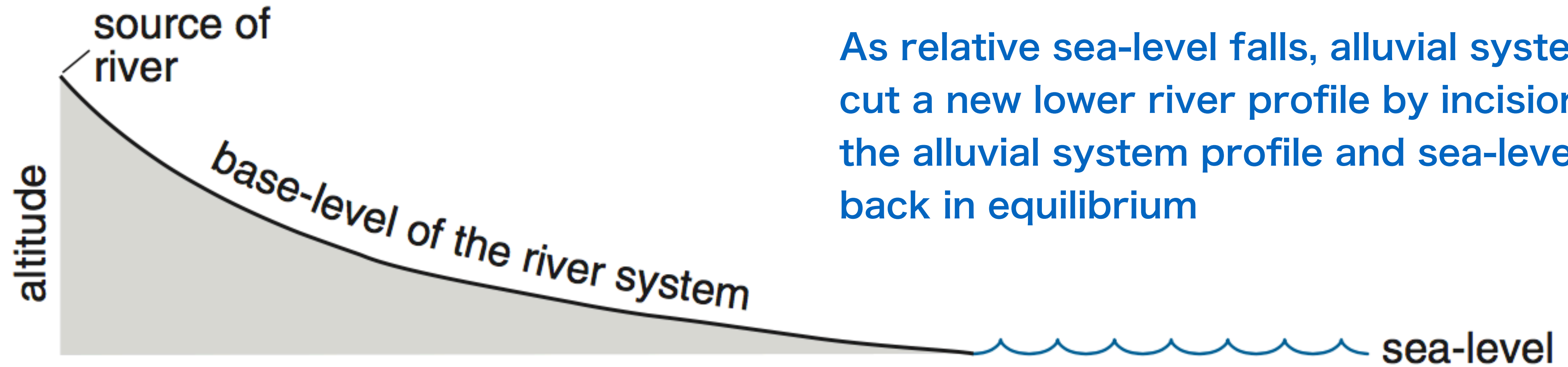
Equilibrium profile



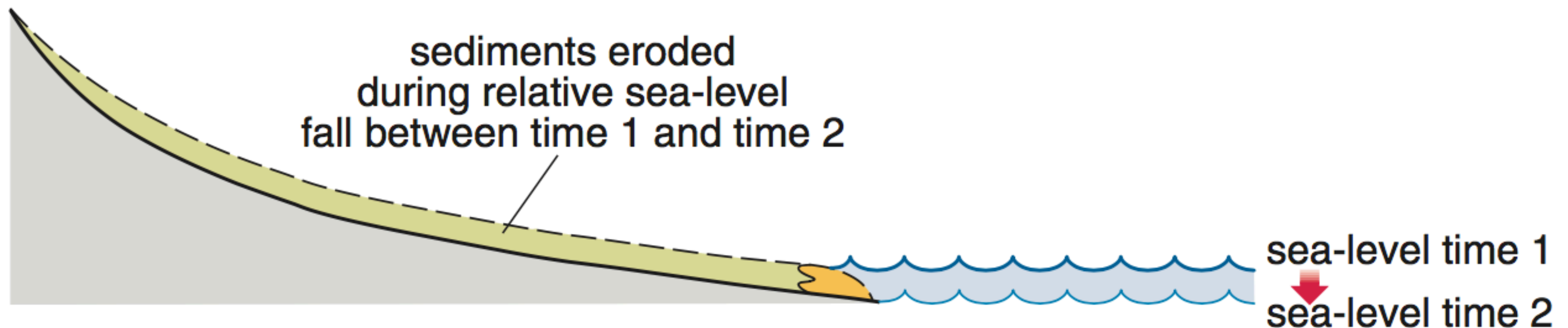
As relative sea-level rises, the position of the coastline with respect to the gradient of the equilibrium profile changes, the river channels infill and hence the gradient flattens out



Equilibrium profile



As relative sea-level falls, alluvial systems will cut a new lower river profile by incision until the alluvial system profile and sea-level are back in equilibrium



KEY



alluvial sediments



marine sediments