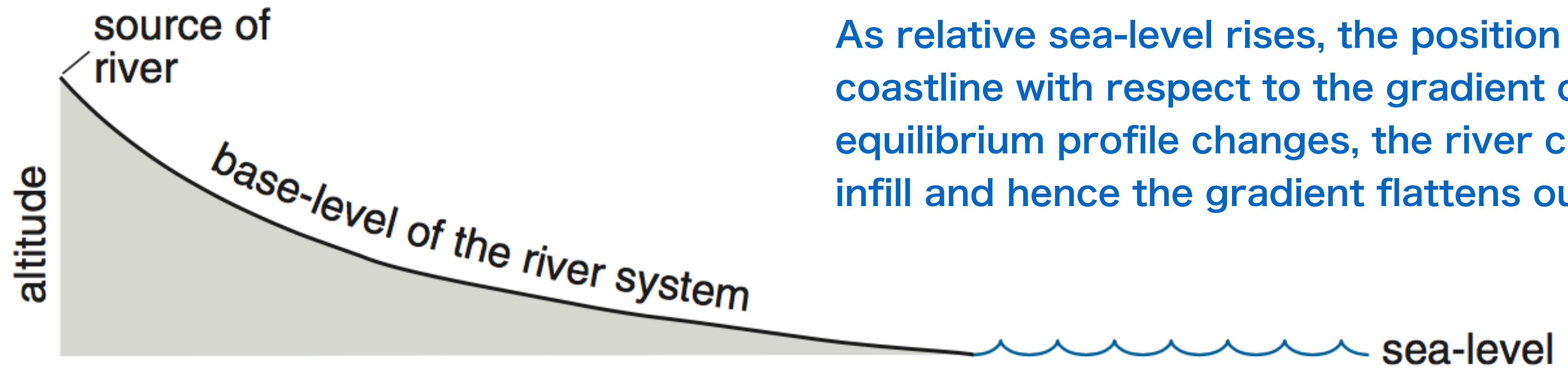
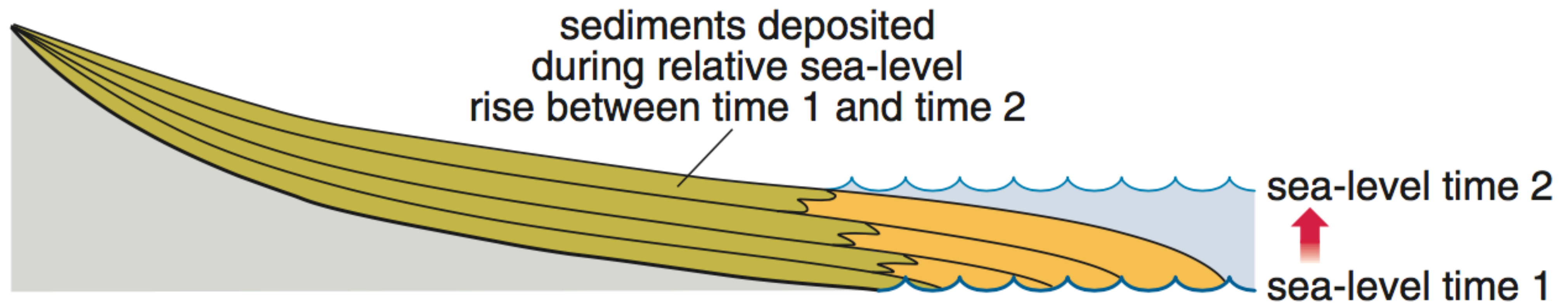


Equilibrium profile



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

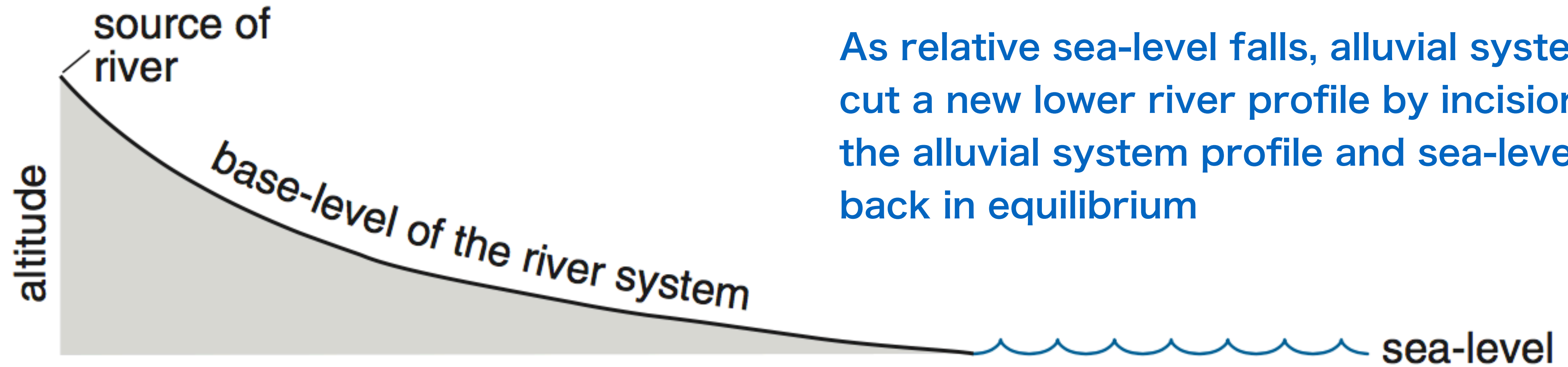


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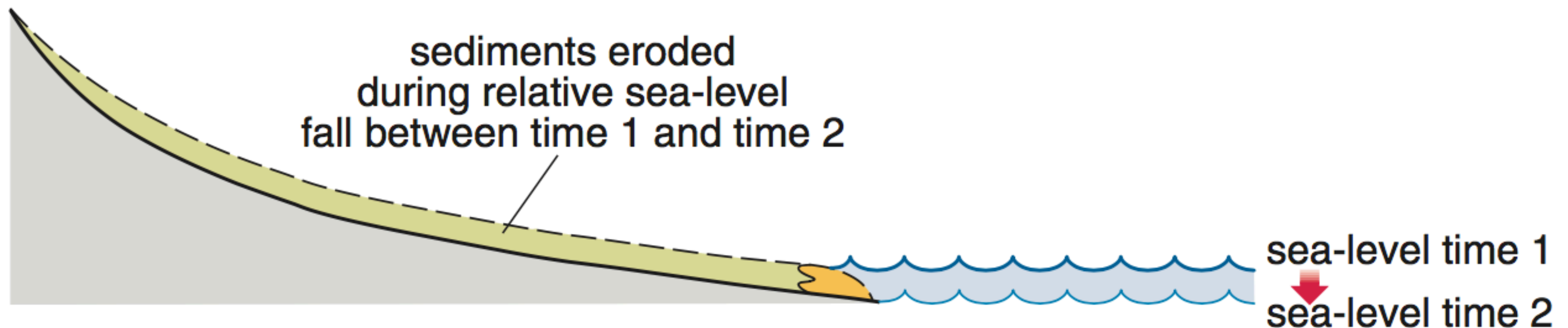
alluvial sediments

marine sediments

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