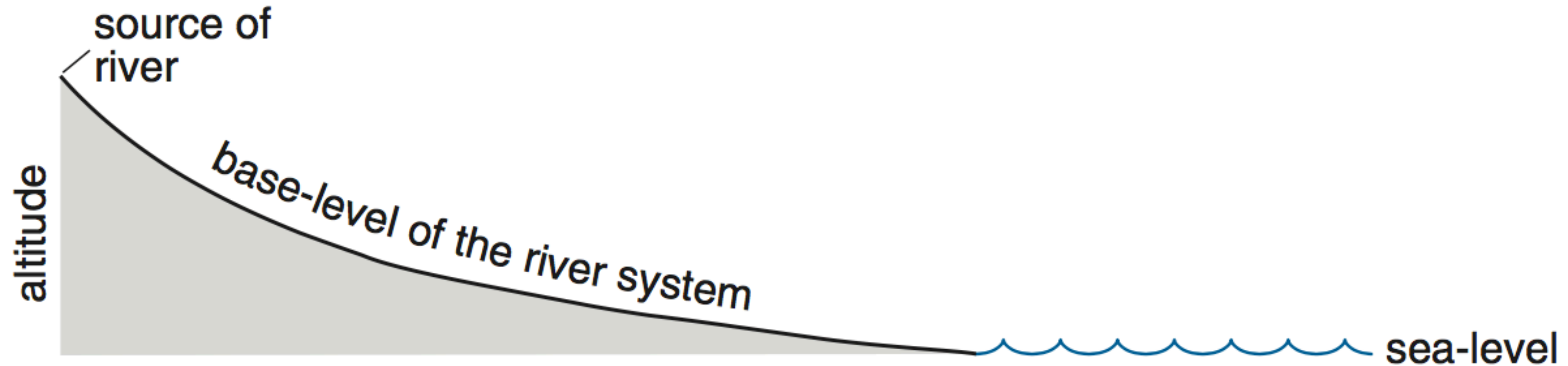


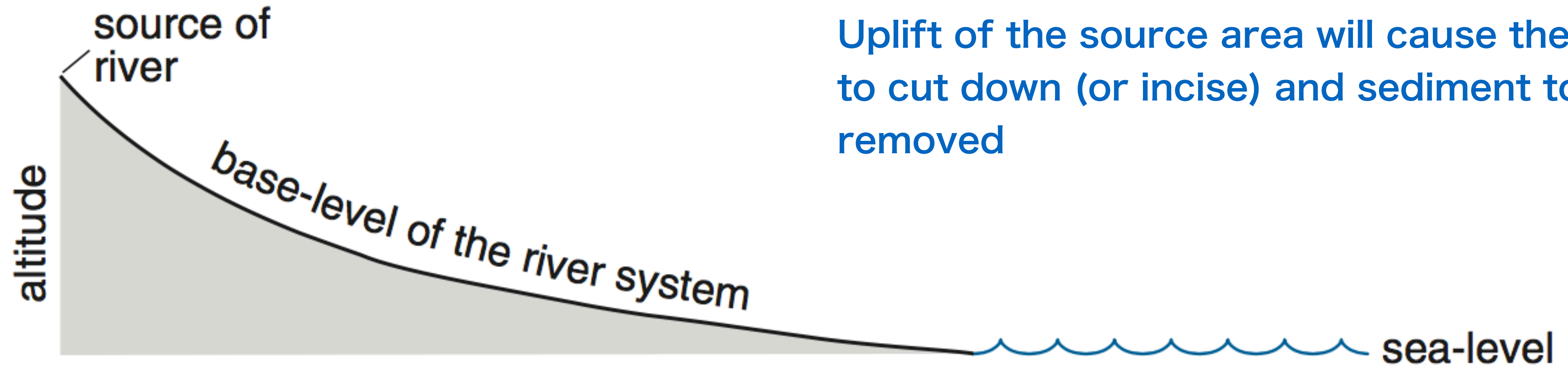
Equilibrium profile



The ideal equilibrium profile of an alluvial system (longitudinal profile) is an exponentially curved topographical gradient from the source area to sea-level.

In order to maintain the equilibrium profile, erosion or deposition of alluvial sediments will take place if there is a relative sea-level change and/or tectonic movement in the source area.

Equilibrium profile



Uplift of the source area will cause the rivers to cut down (or incise) and sediment to be removed

