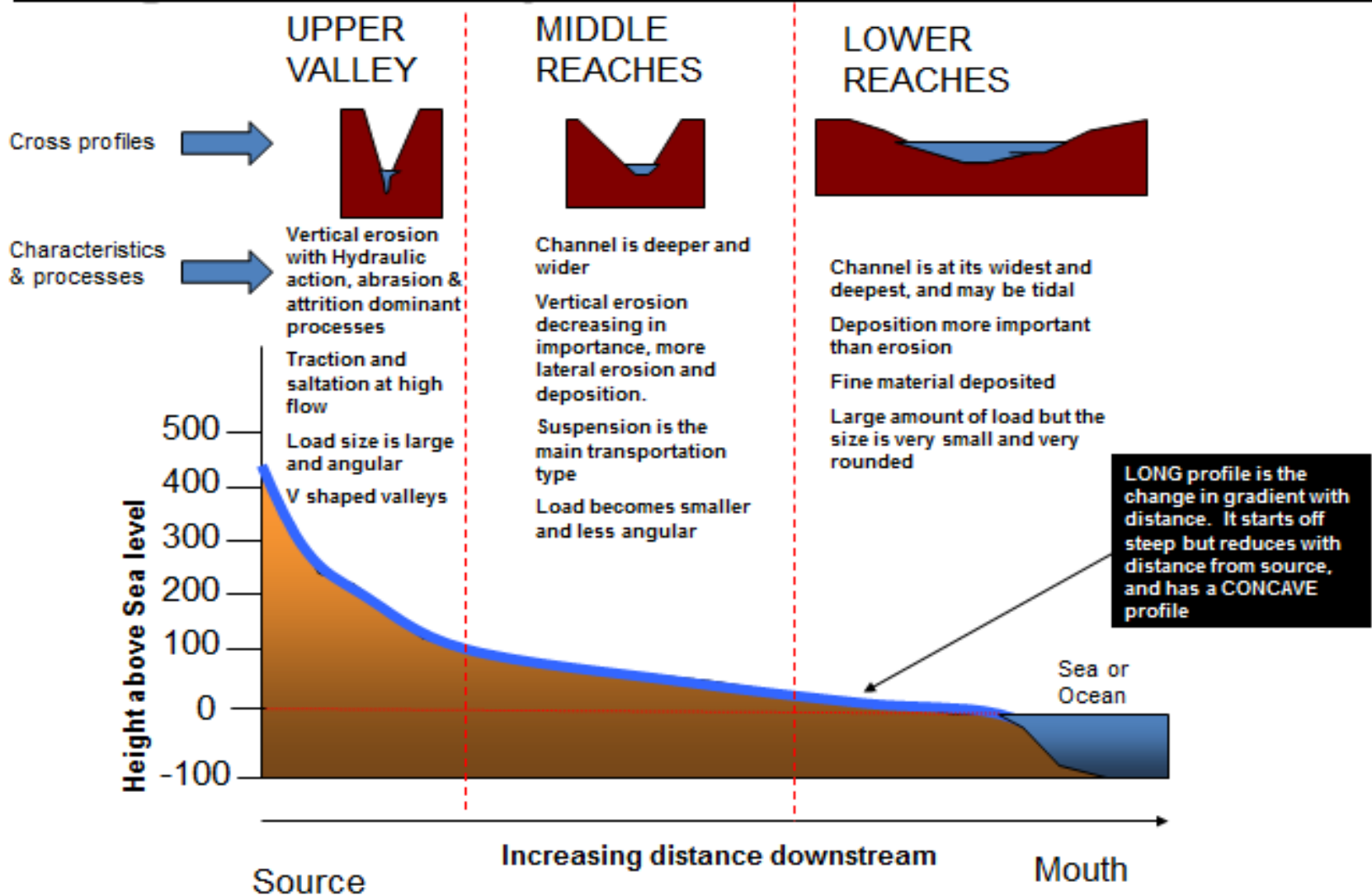
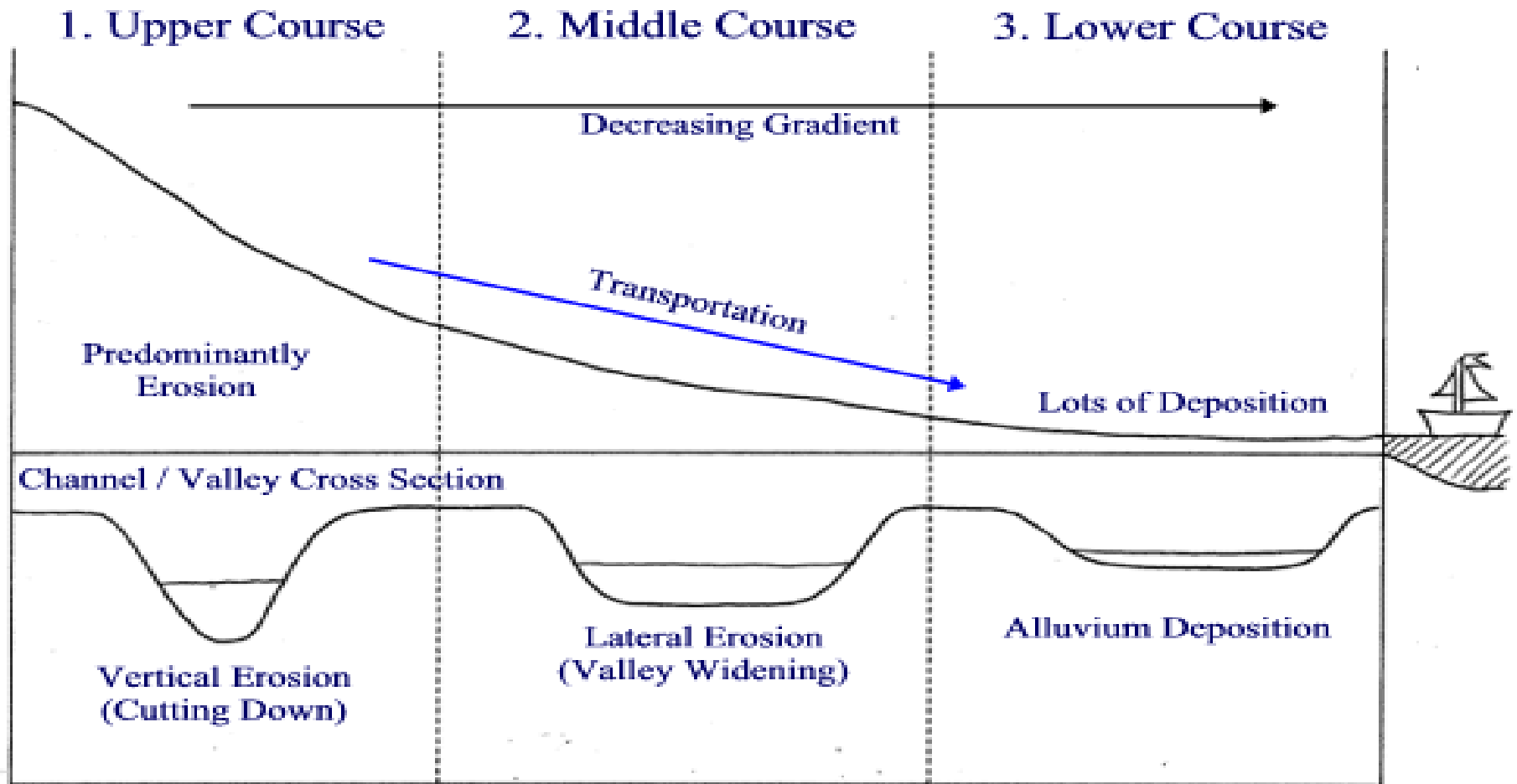


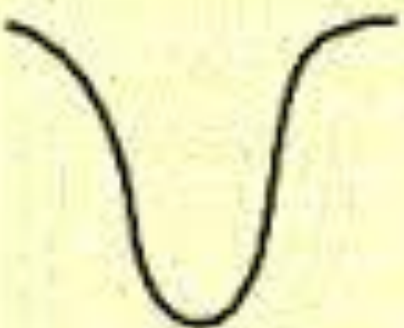
Long and cross profiles on a TYPICAL river



Channel shapes



Features & cross profile shape

Upper course – steep V shape downward erosion.  Features • rapids • waterfalls	Middle course – U shaped lateral erosion.  Features • meanders	Lower course – open U shape (wide) lateral erosion and deposition.  Features • oxbow lakes • floodplains • levees • deltas
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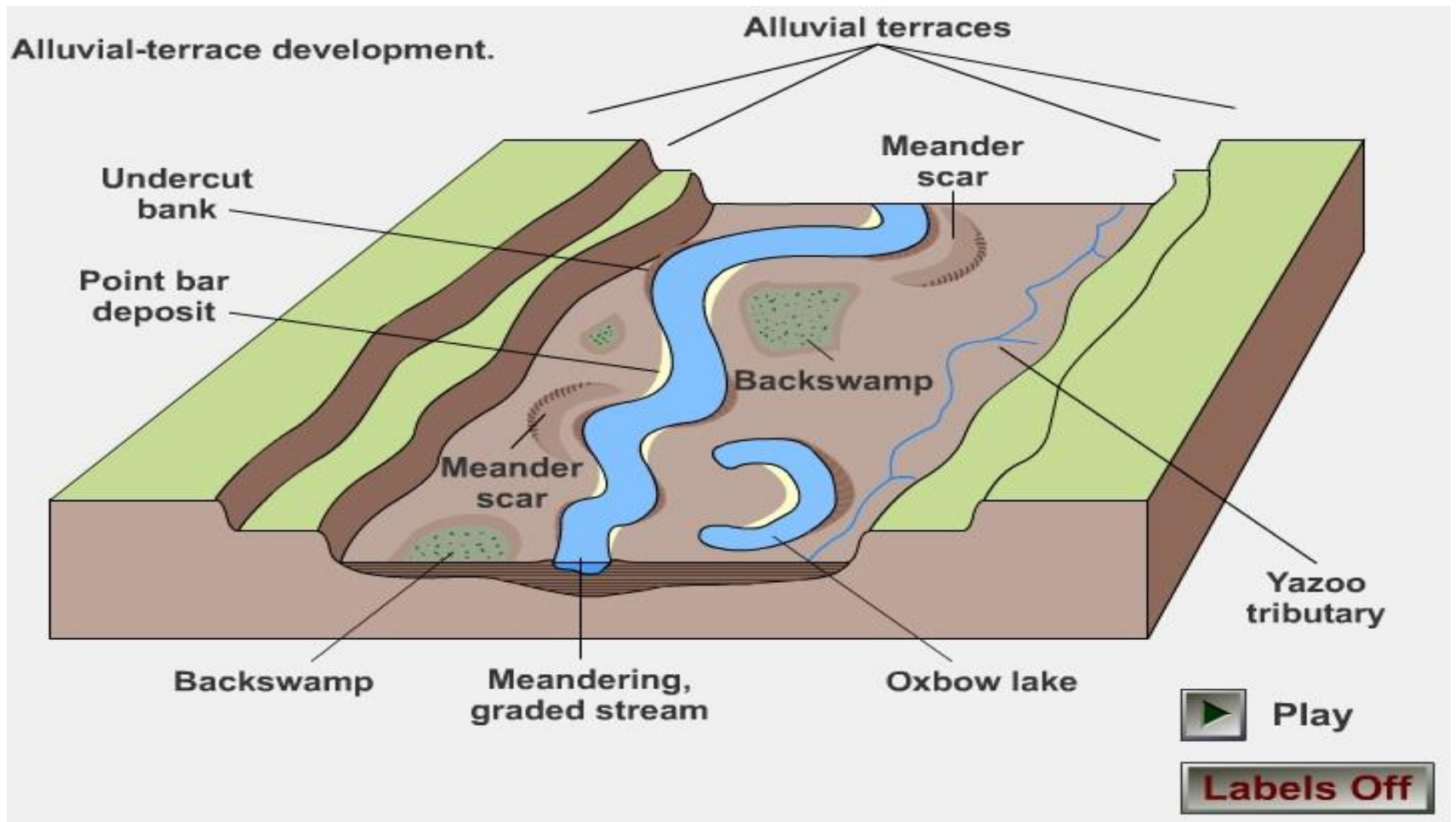
Which stage is shown?



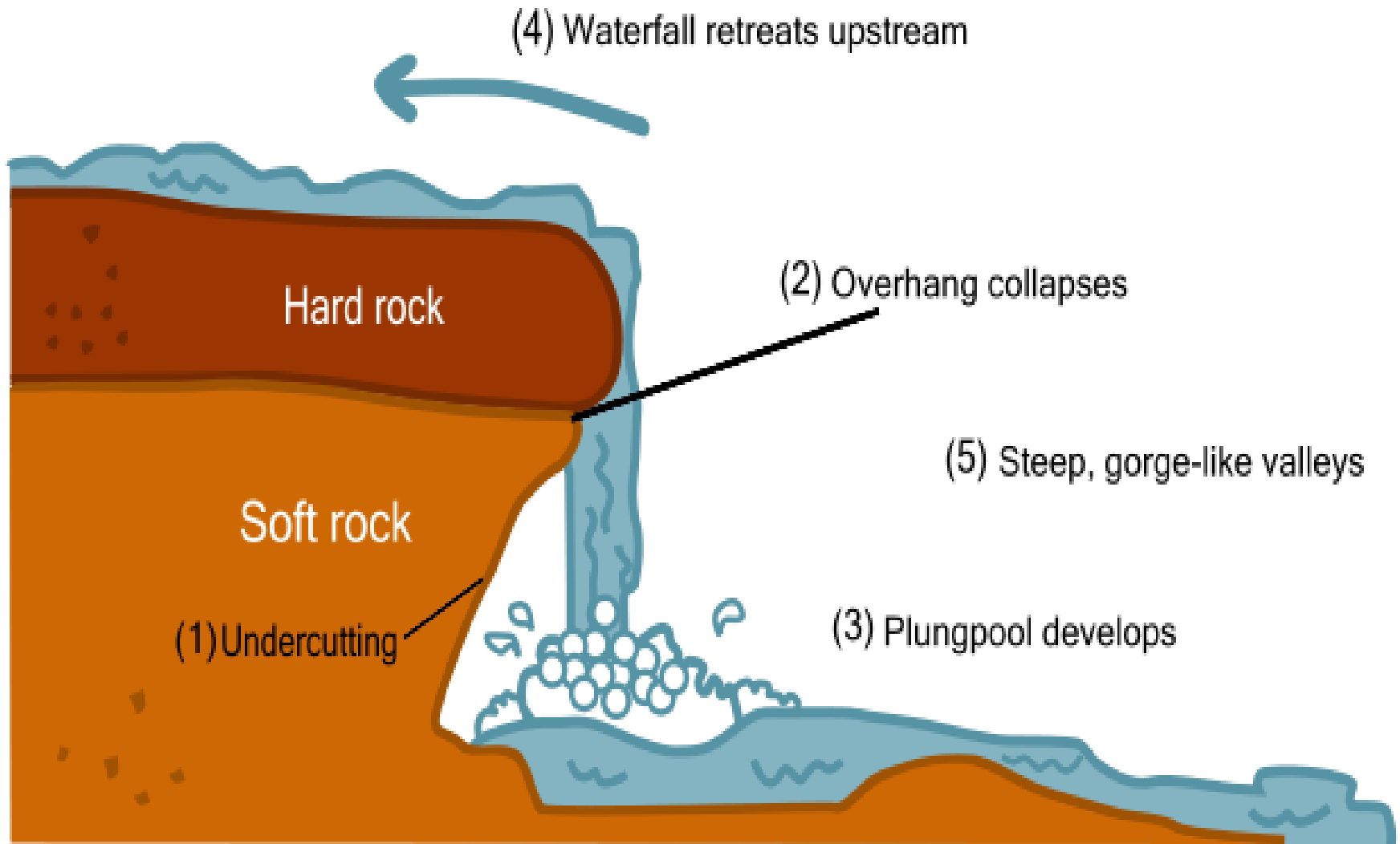
Determine the stage



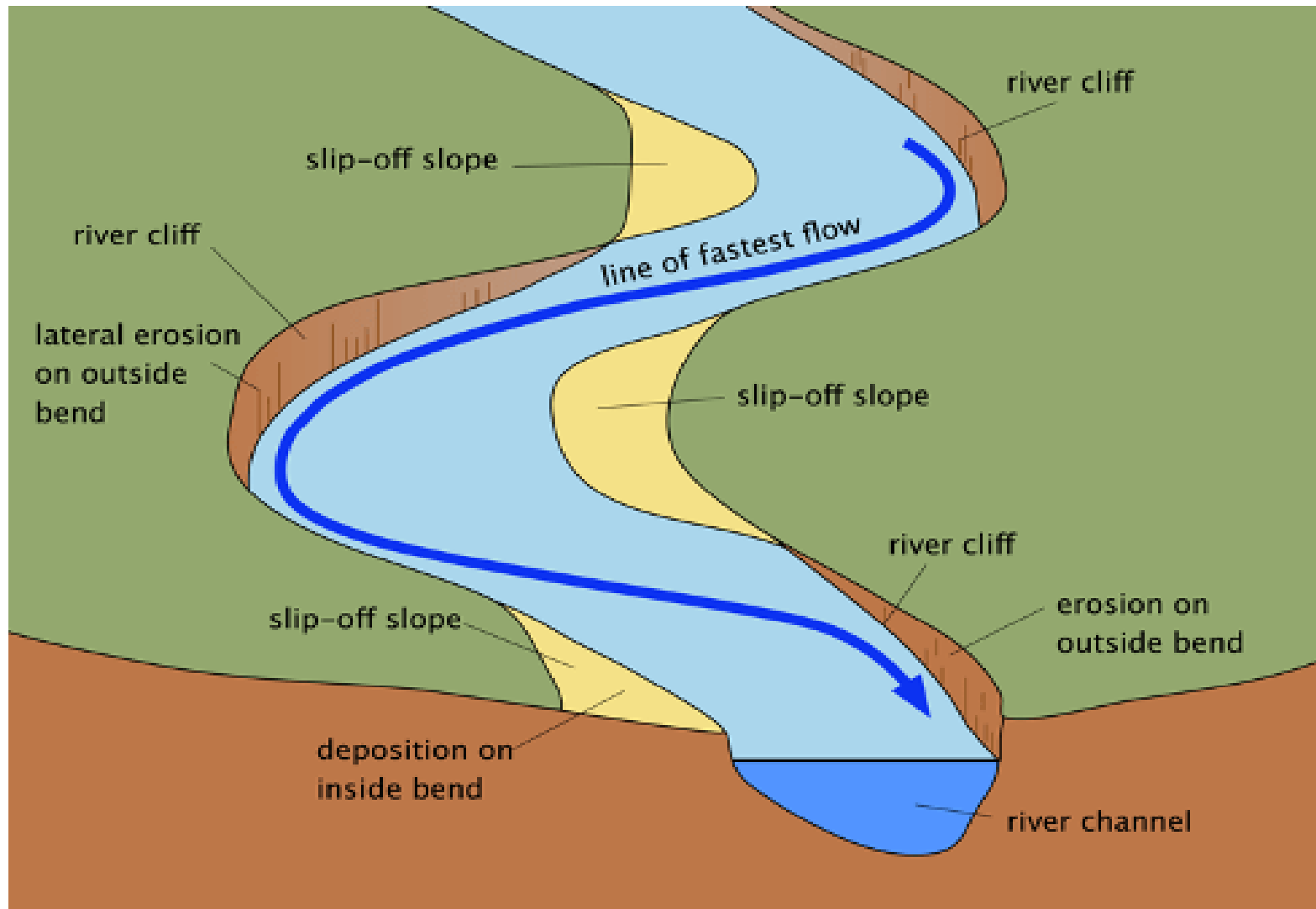
Lower course



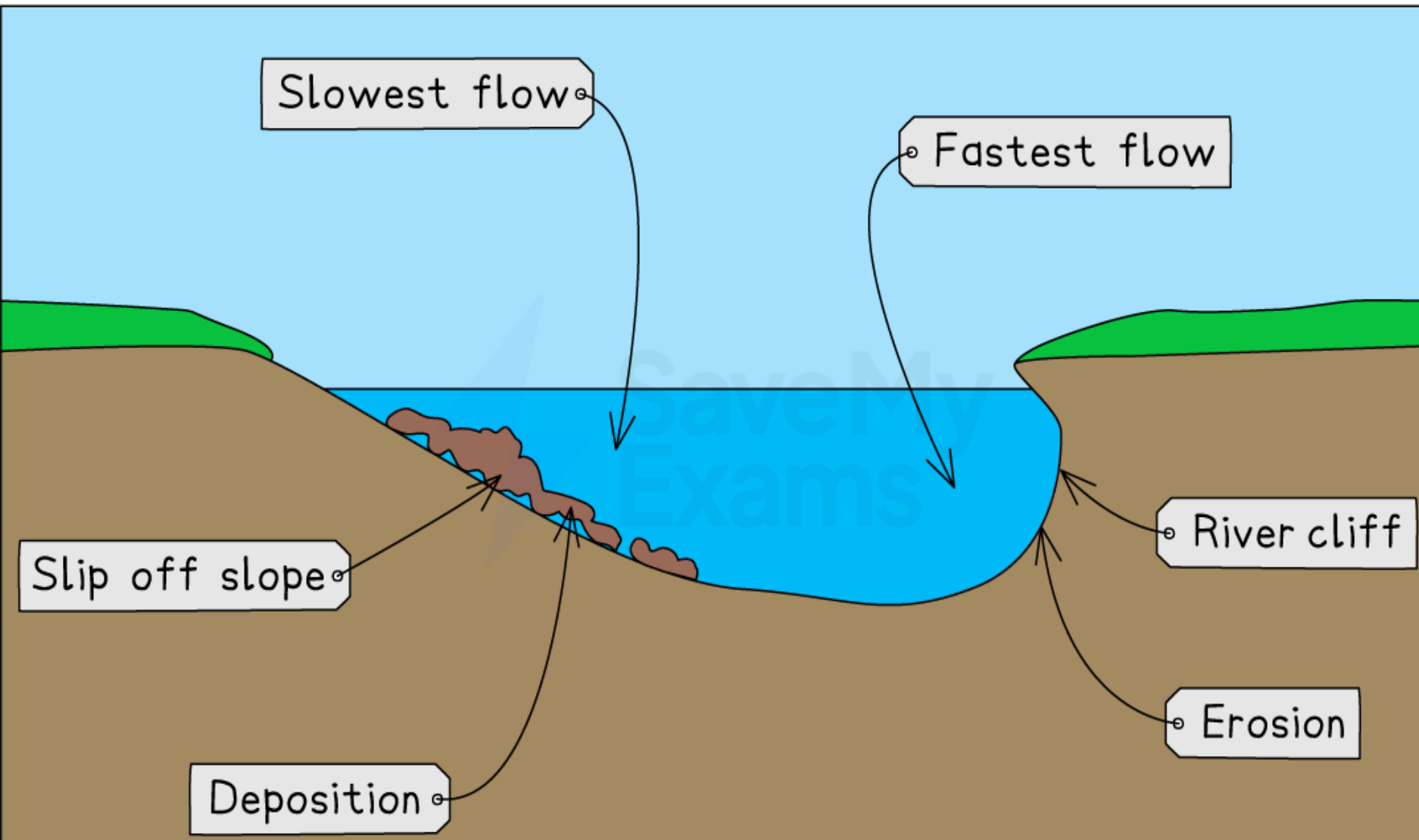
Waterfall



Meandering

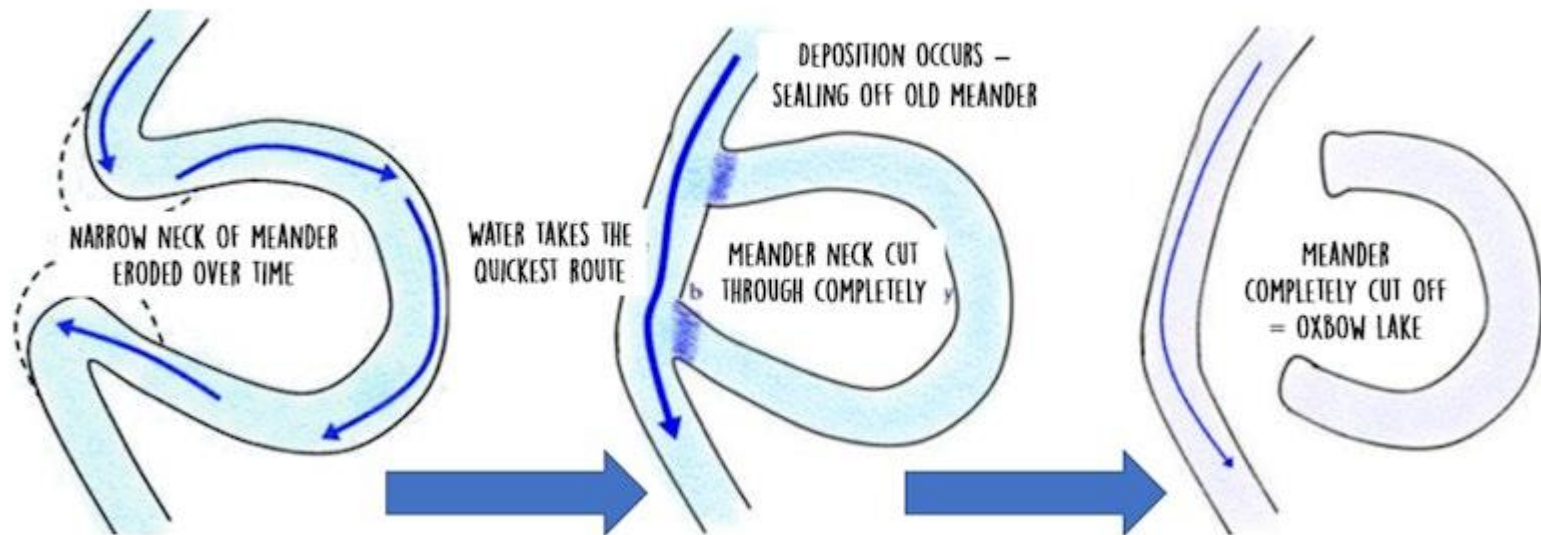


Cross-section of a meander bend

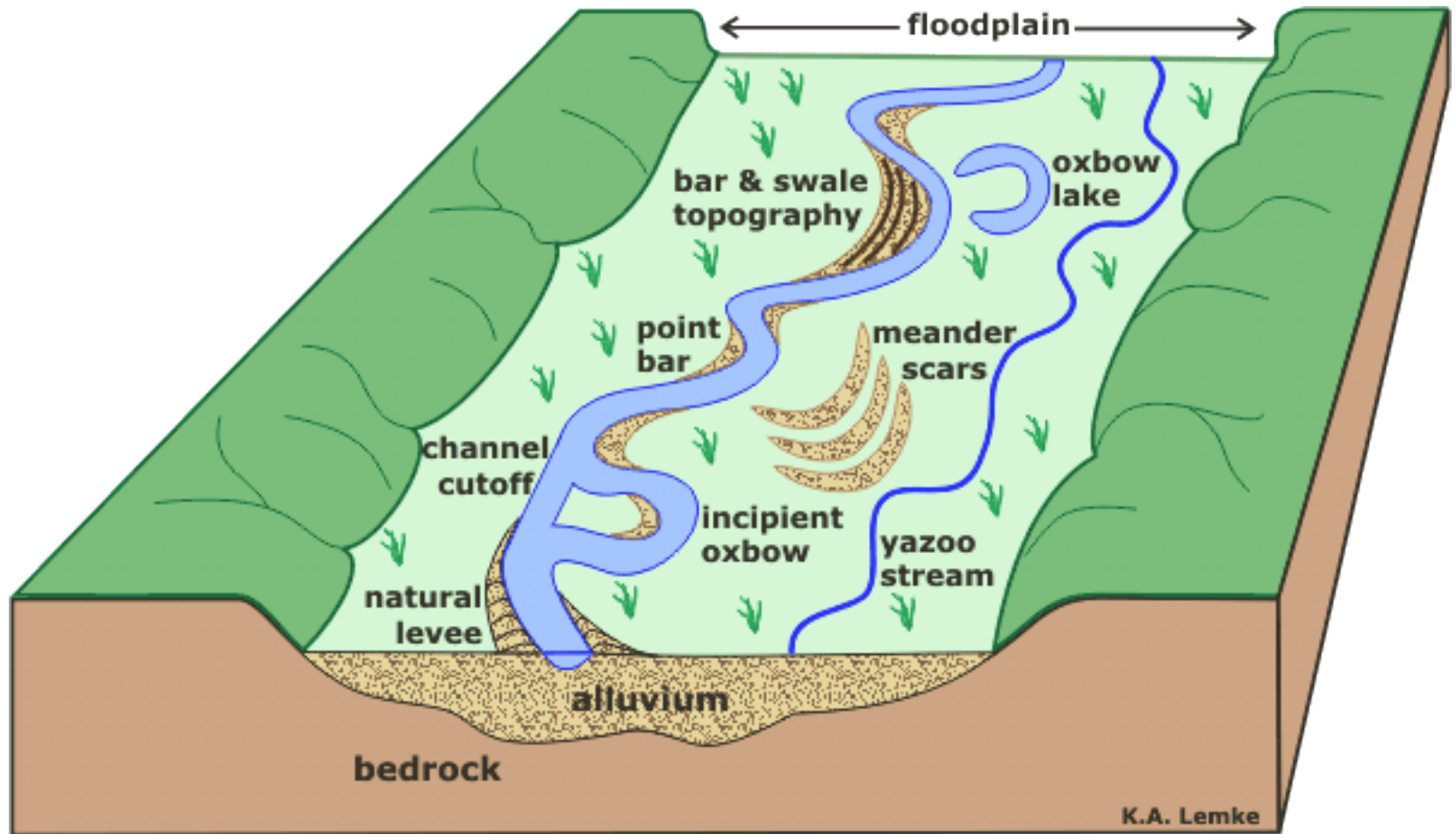


Ox-lake and Meander scar

HOW DOES AN OXBOW LAKE FORM?



FLOODPLAIN



Braided or split channel



Levees

