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Cenozoic Climate and Tectonics Historical Geology (GEOL 106), Texas A&M University.

### Albedo and thermal properties of land and sea

### Tectonic Uplift and Climate Change by William F. Ruddiman ...

### HOW IS PLATE TECTONICS RELATED TO CLIMATE CHANGE?

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Fluvial terraces of Kamienica and Ochotnica River valleys recorded vertical movements of the Earth's crust and oscillatory changes in the Pleistocene climate. Seven terrace levels are present in the valleys, usually built of a bedrock surface overlain by a fluvial sediment cover of various thickness.

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### Cenozoic Climate and Tectonics

### The Late Cenozoic uplift - climate change paradox

Tectonics and climate are both directly and indirectly related. The direct connection is between uplift, atmospheric circulation, and the hydrologic cycle. The indirect links are via subduction,...

Links to tectonic uplift or climate change? The approximate consistency in timing of the provenance transition from the Yangtze River to Yellow River and onset of large-scale regional transgression in the Yellow Sea at ~0.8 Ma is intriguing, and possibly suggests a causal link between evolution of the river system and sedimentary basins with tectonic evolution and/or climate change.

### History of Yellow River and Yangtze River delivering ...

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PLATE TECTONICS AND CLIMATE CHANGE  
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Tectonic uplift and climate change are viewed as dominant mechanisms that can shape the earth's surface through erosion. River terraces can be influenced by one or both of these forcing mechanisms and therefore can be used to study variation in tectonics, climate, and erosion, and how these processes interact.

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