

THE SHAPE OF THE LAND

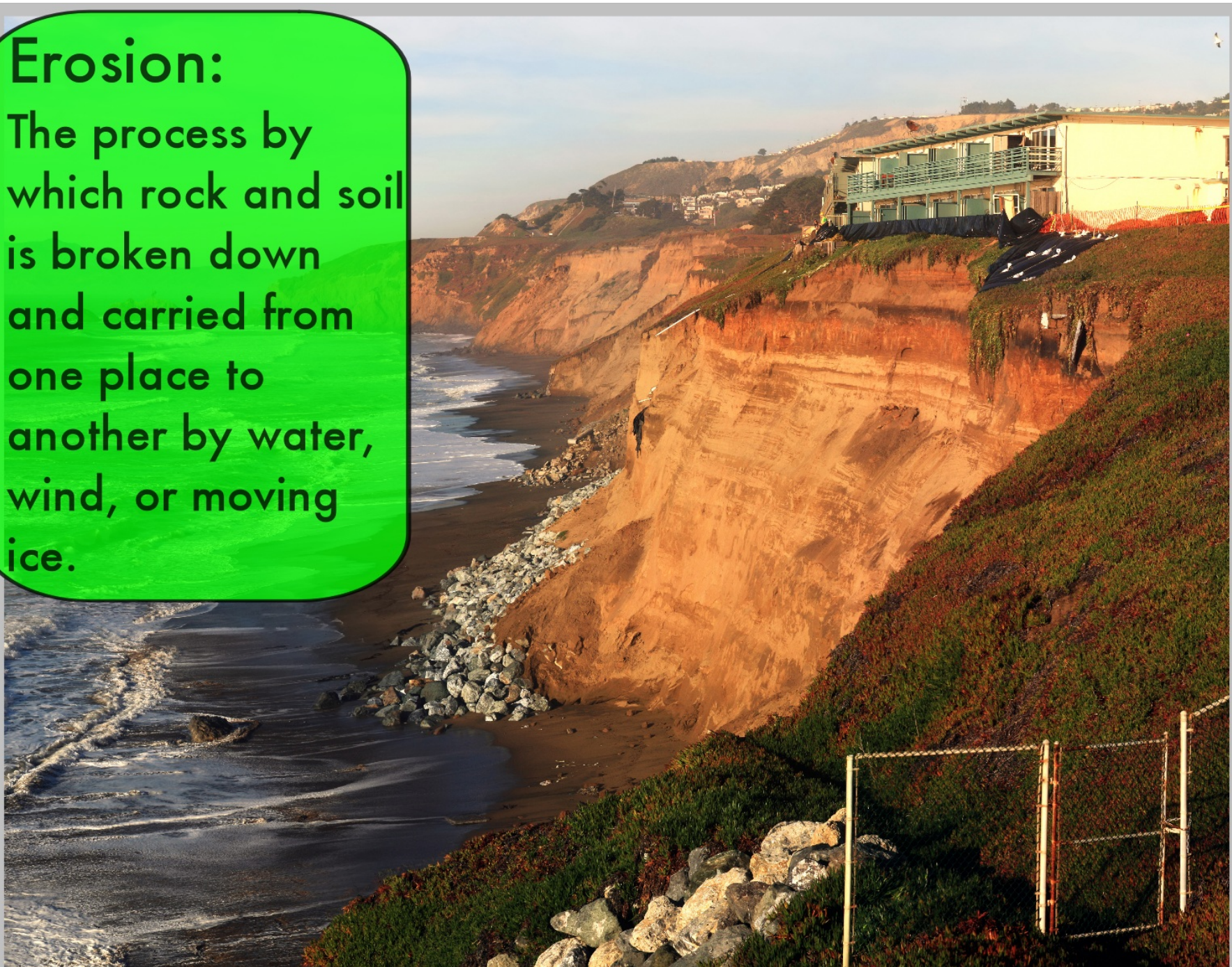


How does erosion, with weathering,
shape the land?



Erosion:

The process by which rock and soil is broken down and carried from one place to another by water, wind, or moving ice.



Weathering: the process by which rock is broken into smaller pieces.





Rivers



Flood Plain



The Narrows

Zion, National Park



What are some signs of Erosion and Weathering you see in these photos?

Weathering



Rock Weathering by Water and Ice



Water seeps into cracks and fractures in rock.



When the water freezes, it expands about 9% in volume, which wedges apart the rock.

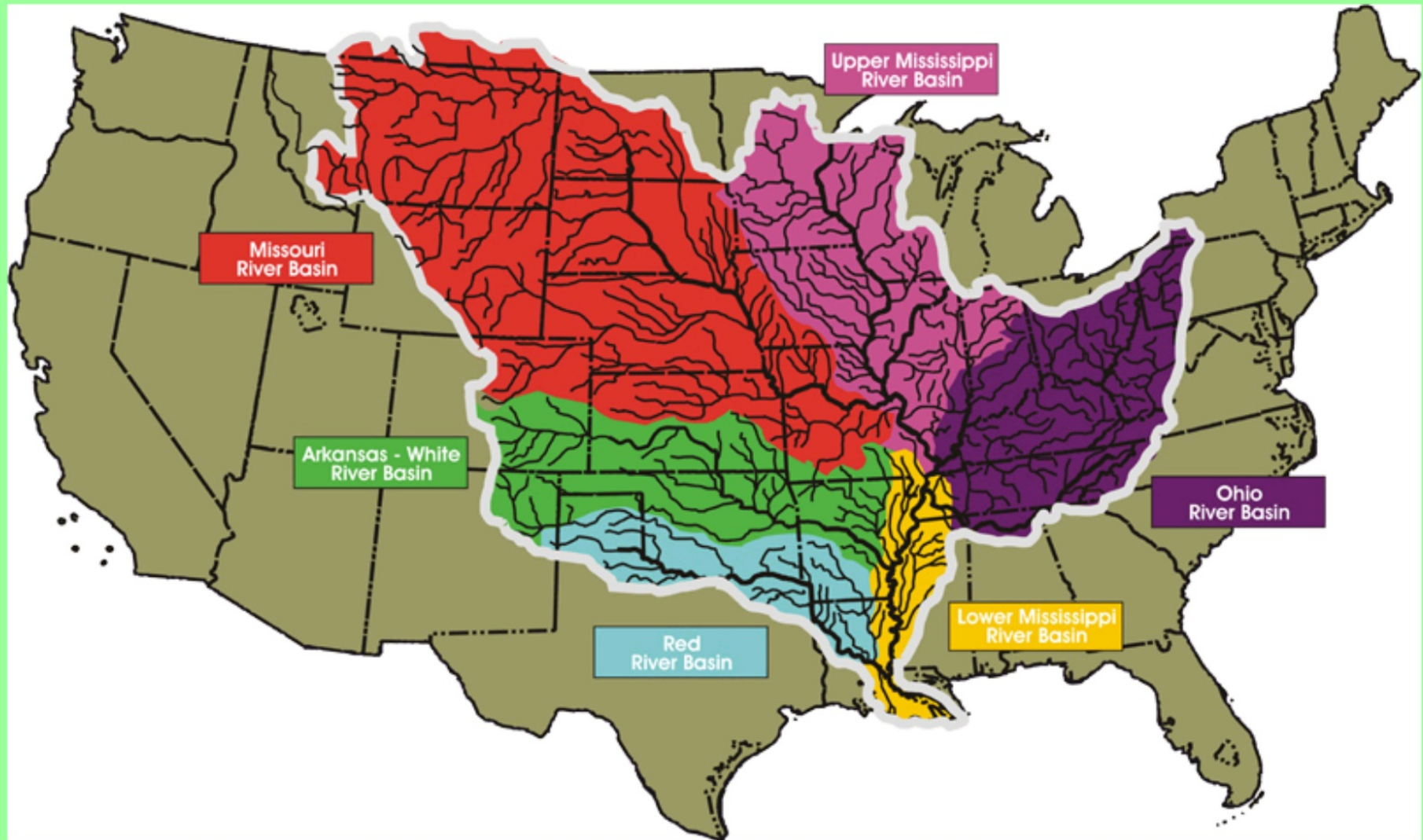


With repeated freeze/thaw cycles, rock breaks into pieces.



***Rock
weathering
by plant roots***

Mississippi River System



Delta





Sediment

The Nile Delta





So...*how does erosion, with weathering, change the shape of the land?*