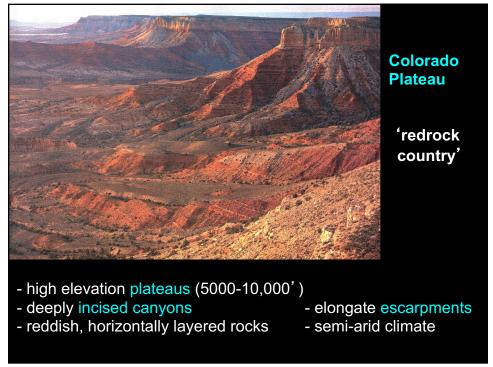
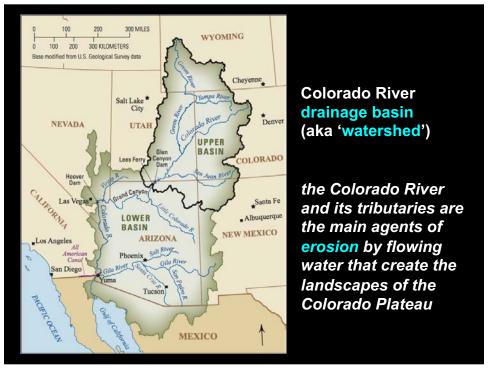


National Parks of the Colorado Plateau

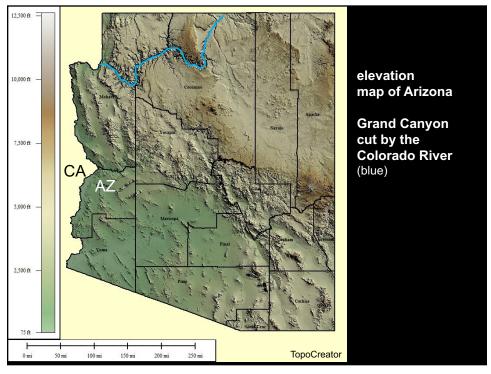
- named for the Colorado River
- 8 national parks

3





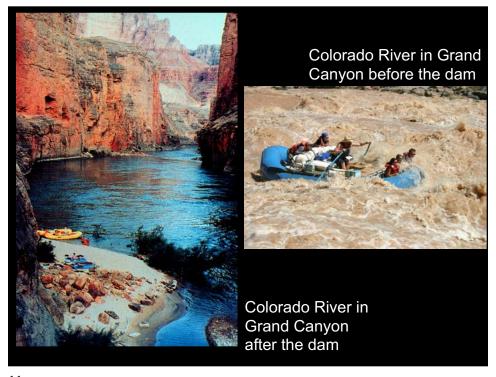














River incision of the Grand Canyon

Before the dams, the Colorado River and its tributary streams cut down (process called incision) into the rocks of the plateau, exposing them to view.

 river incision during countless turbulent floods over millions of years

By reason, the rocks had to have been there **before** the river cut into them



13

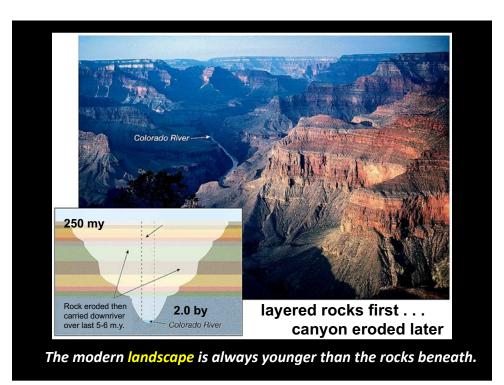
The layers of the cake (layers of rock) had to have been formed before the knife (the river) could incise downward into the layers. The slice removed is analogous to the canyon left behind after rock was eroded away by river incision.

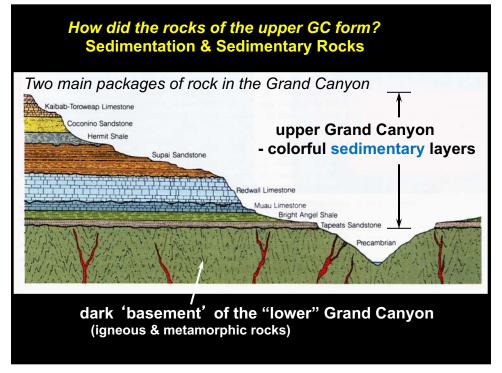


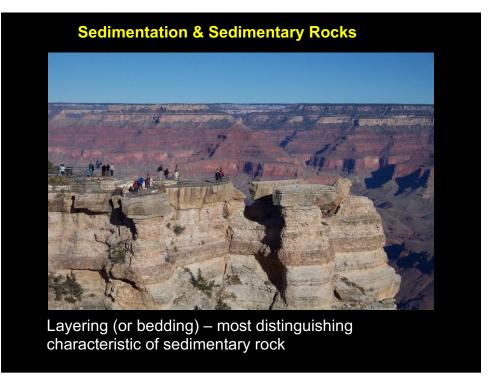
The bottom layers must be older than overlying layers. (The platter is the oldest of all)

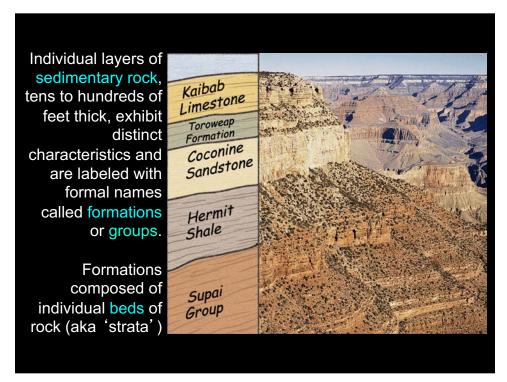
The layered rocks are older than the river and the canyon

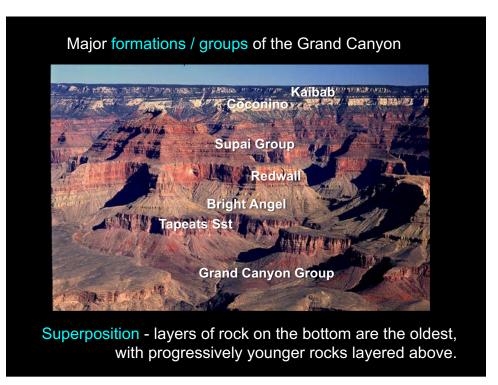


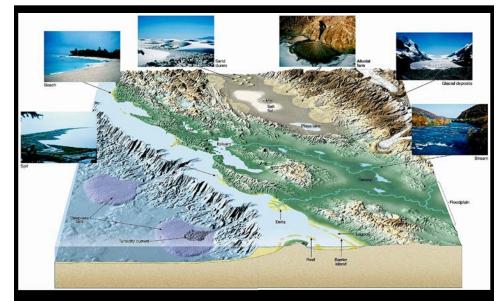












Many sedimentary rocks are formed from clay, silt, sand and other loose sediment that is deposited as horizontal layers in various depositional environments.

21

