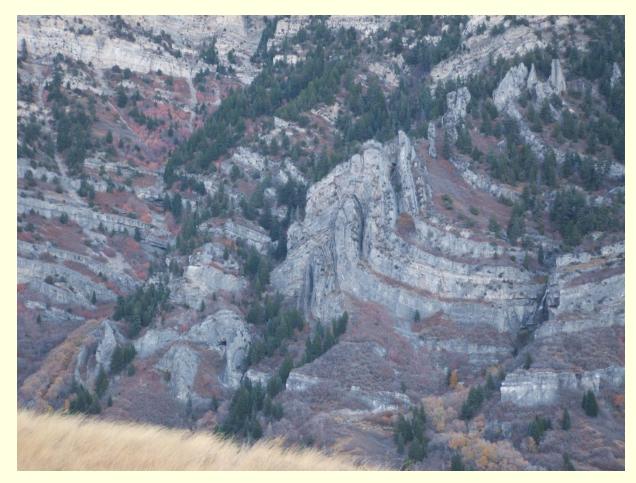
Faults and Folding





Rock under stress will either bend or break



Breaks if stress is quick with lots of force

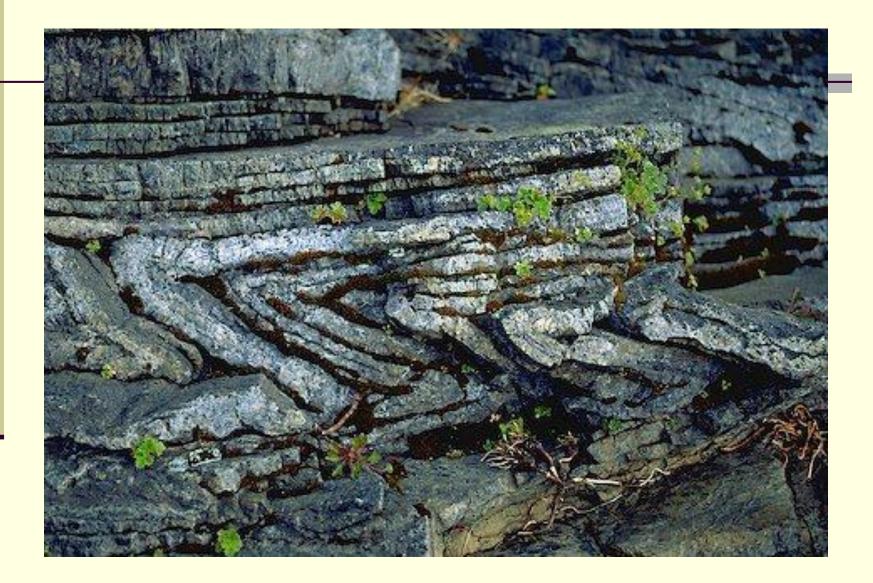


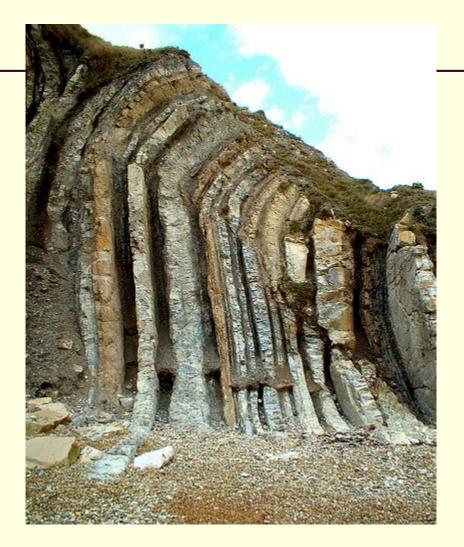


Bends if small force over long periods of time



courtesy Dr. Andrew Snelling





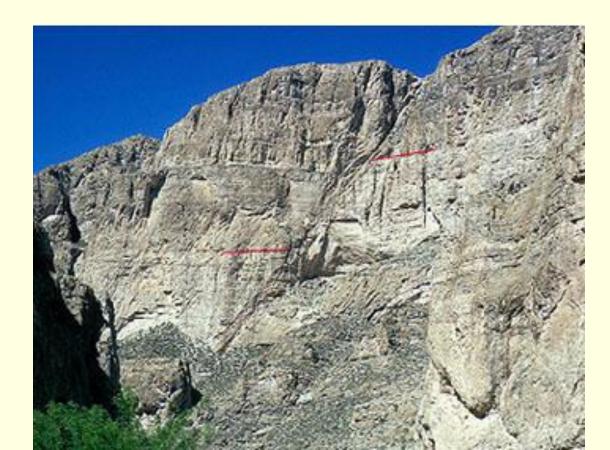
II. Folding

Rock layers start out flat, and are folded over a long time



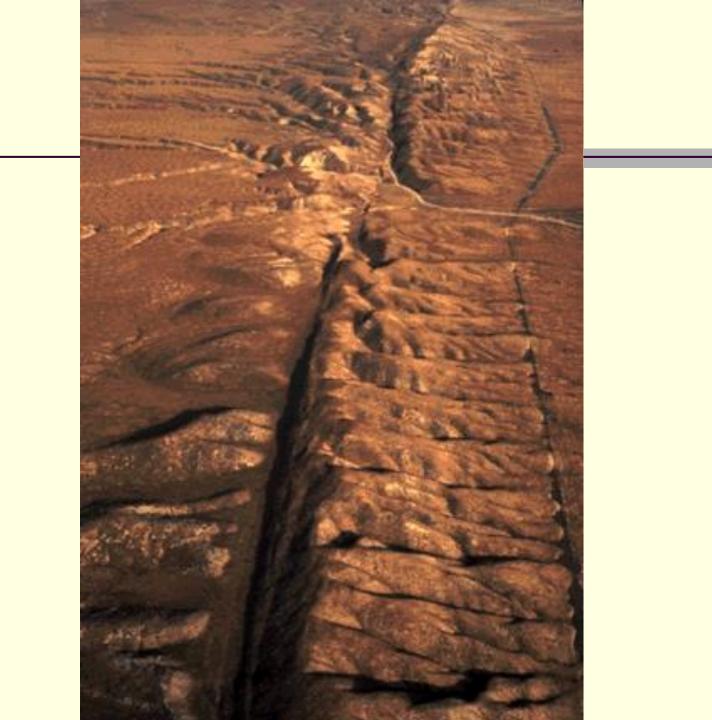
III. Faults

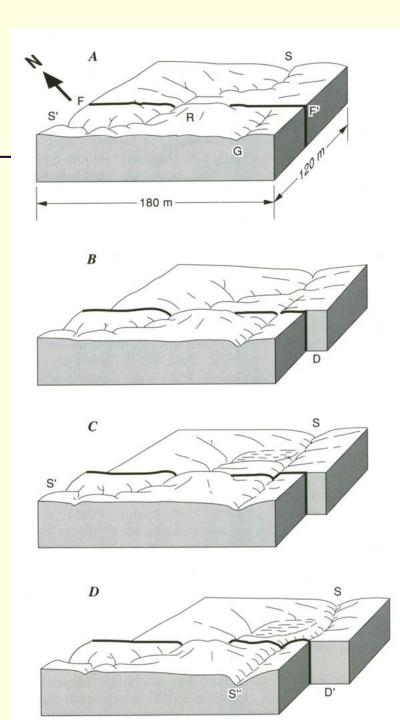
Fault – the crack that forms when rocks break and move past each other

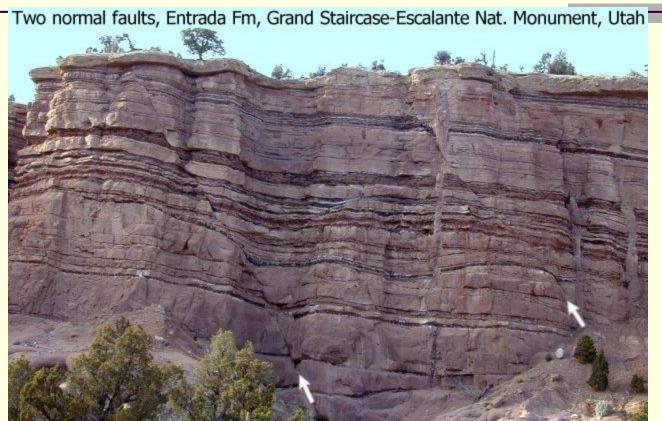


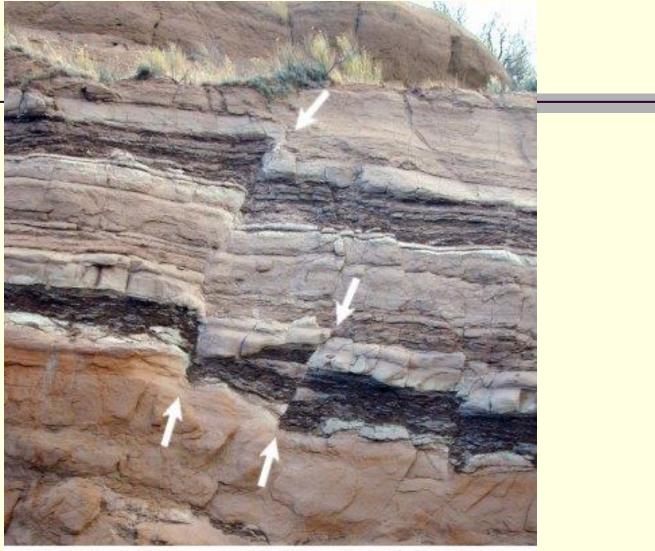
Faults can be very large or very small









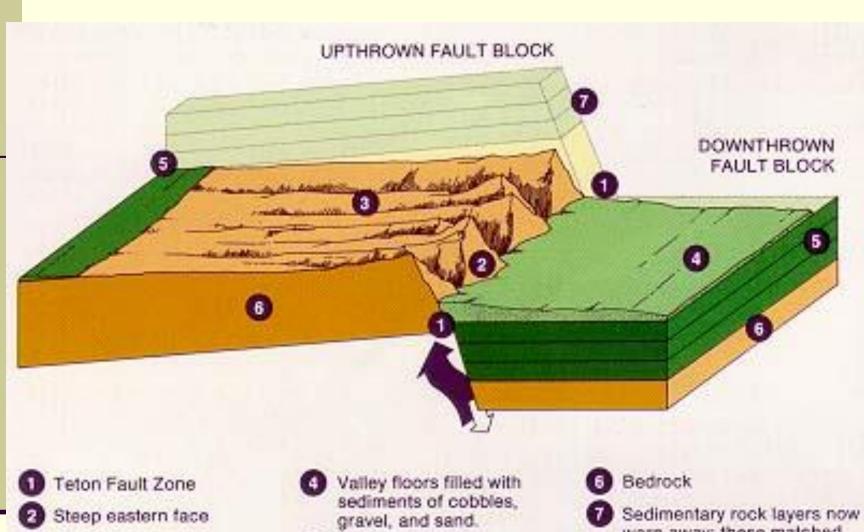


Reverse fault in Entrada Fm., Grand Staircase-Escalante National Monument, Utah



Large faults can produce mountains or cliffs





3 Gentie western slope

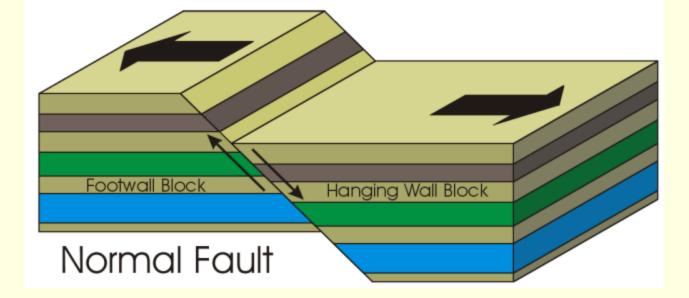
Sedimentary rock layers

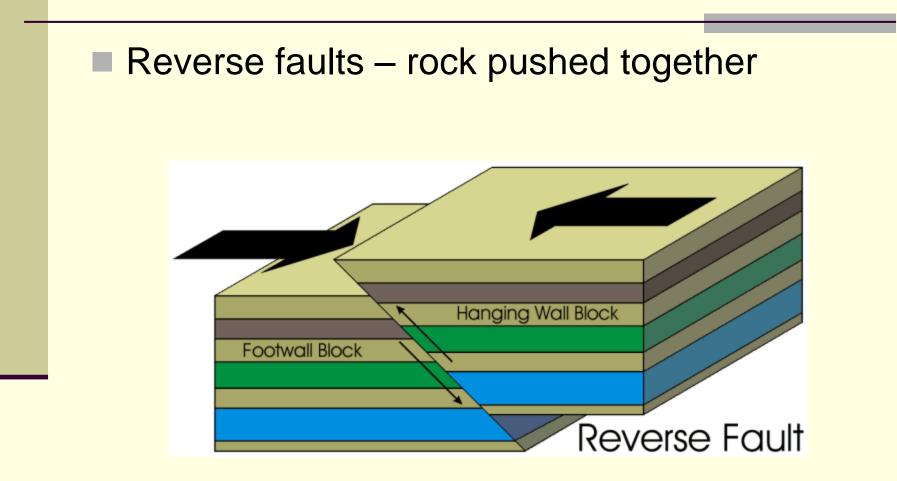
worn away; these matched layers 5.



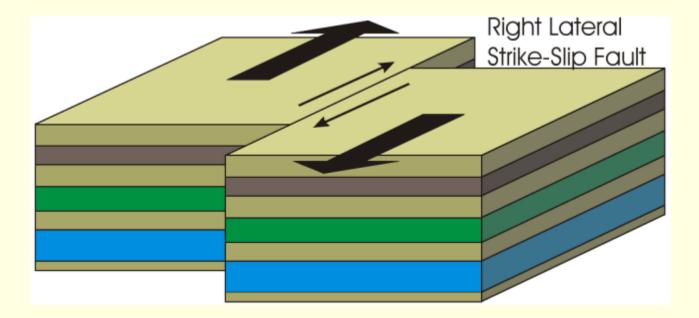
IV. Types of Faults

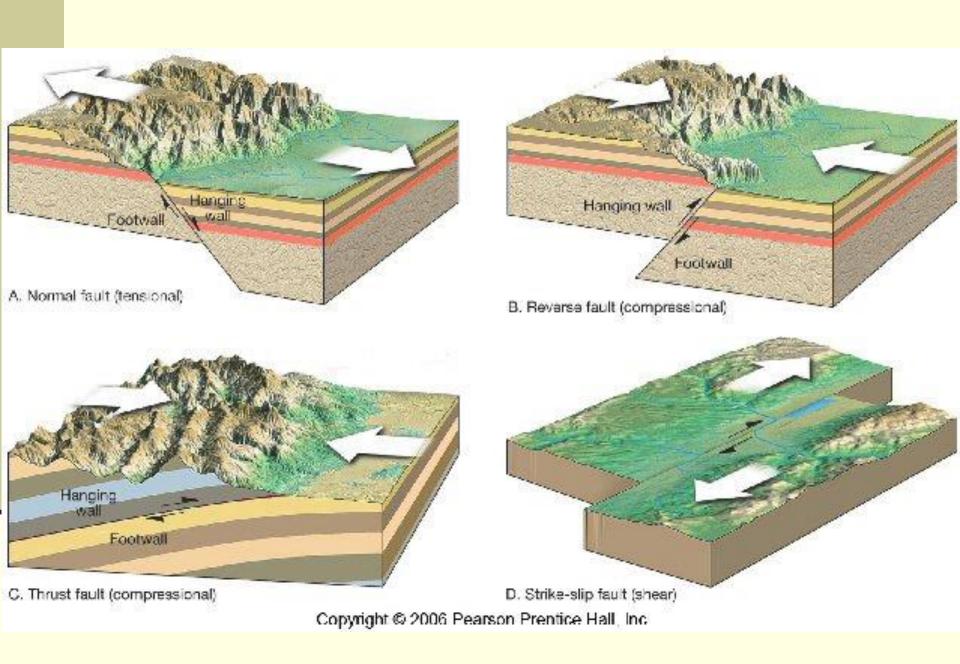
Normal faults – rock moves apart





Strike-slip faults – rock moves past horizontally





Summary and Margin Questions

- 3 quiz style margin questions
- Summary:
 - A rock under stress will either _____ or ___

- Folding is...
- A fault is ...
- Examples...