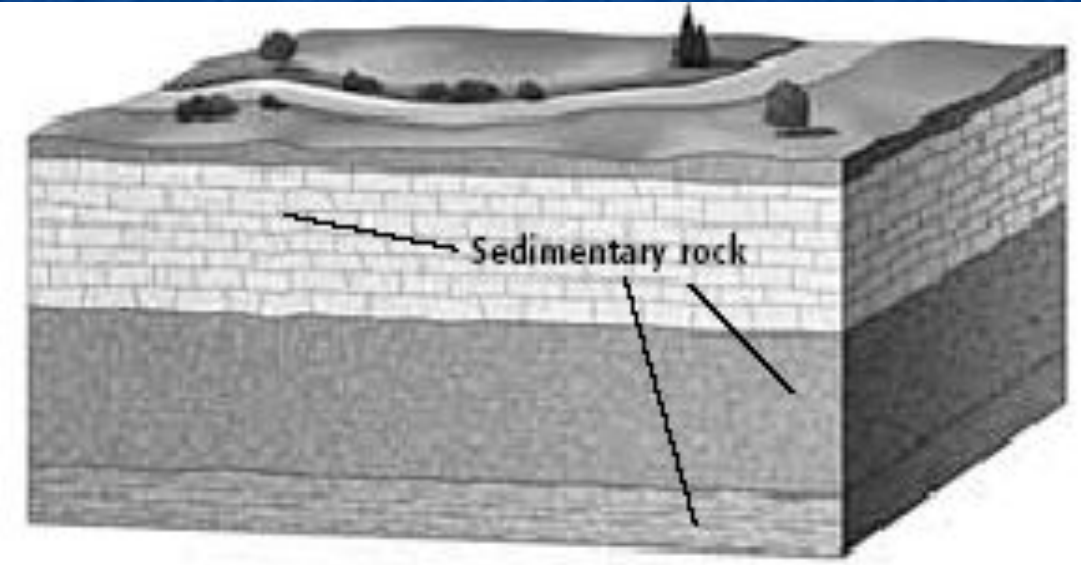
Relative Dating Notes

Relative Age of Rocks

- _____: Order rocks deposited tells you _____ age of rocks (order from old to young)
- Geologic Cross-Section Maps: show the _____ of rocks _____.
- Can determine the relative age of rocks by using _____ _____:

Law of Superposition:

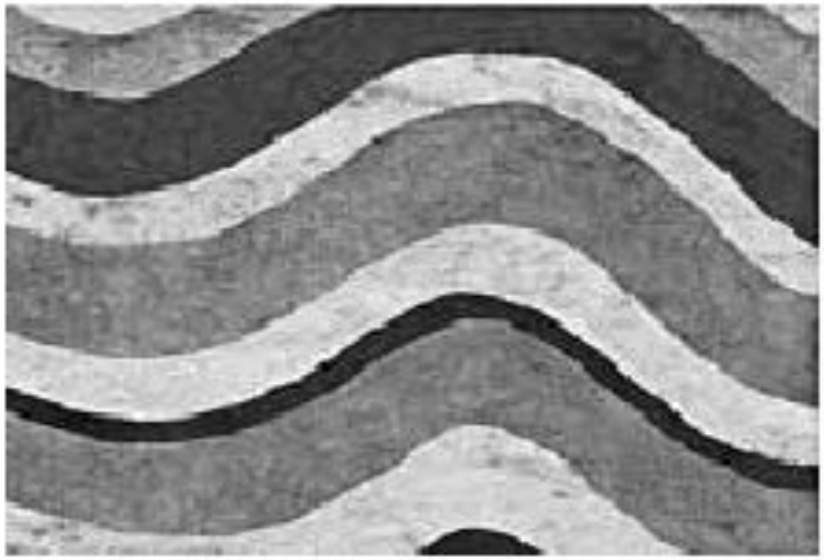
- In sedimentary rock, the _____ layer is on _____ & _____ is on _____.



Canyonlands, Utah

Law of Original Horizontality:

Sediments deposited in _____, _____ layers. If rock layers are _____ or at an _____, they were _____ after originally deposited



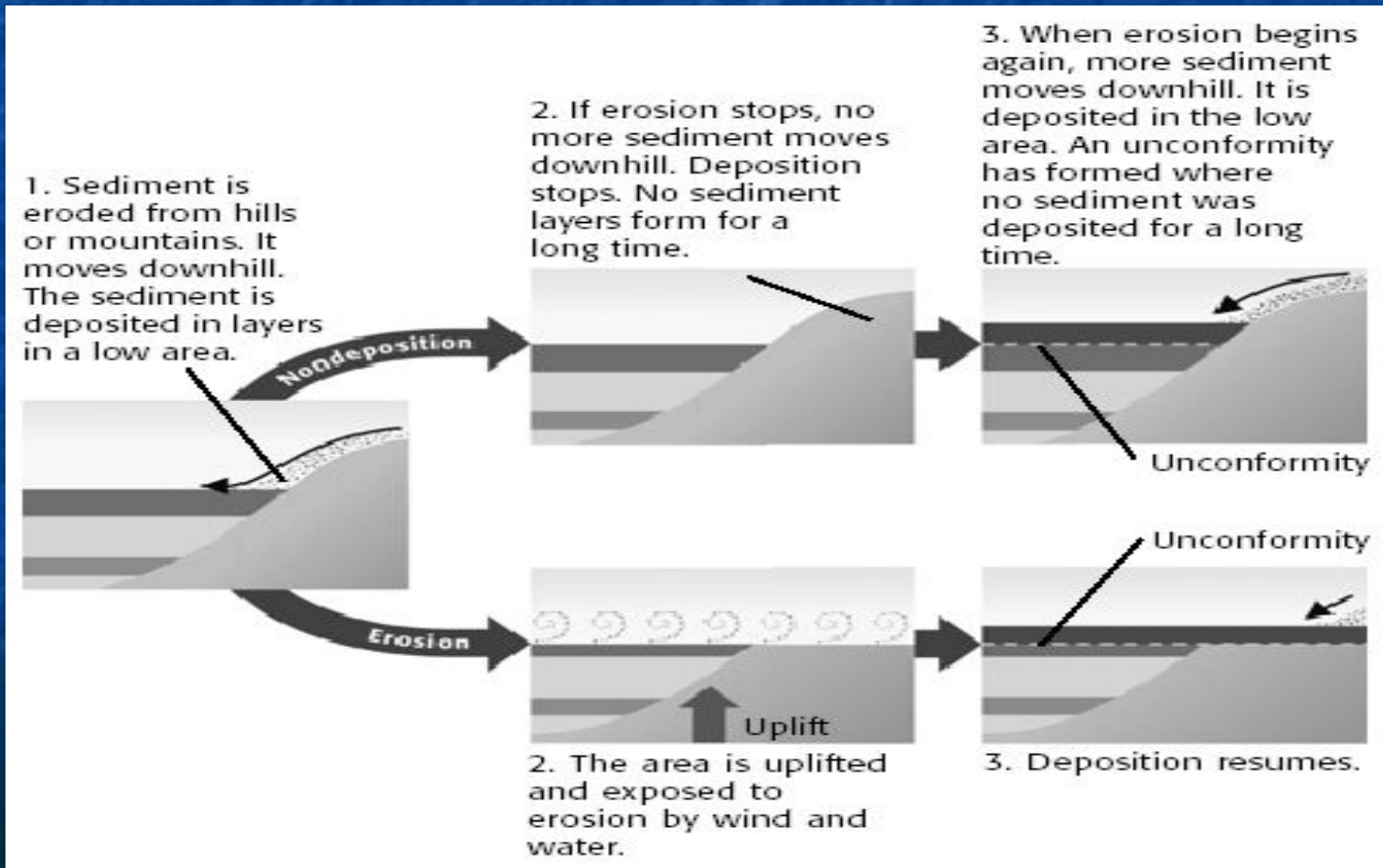
Folding happens when rock layers bend and buckle under pressure.

Tilting happens when forces from inside Earth cause rock layers to become slanted.

Raplee Monocline, Utah

Unconformity:

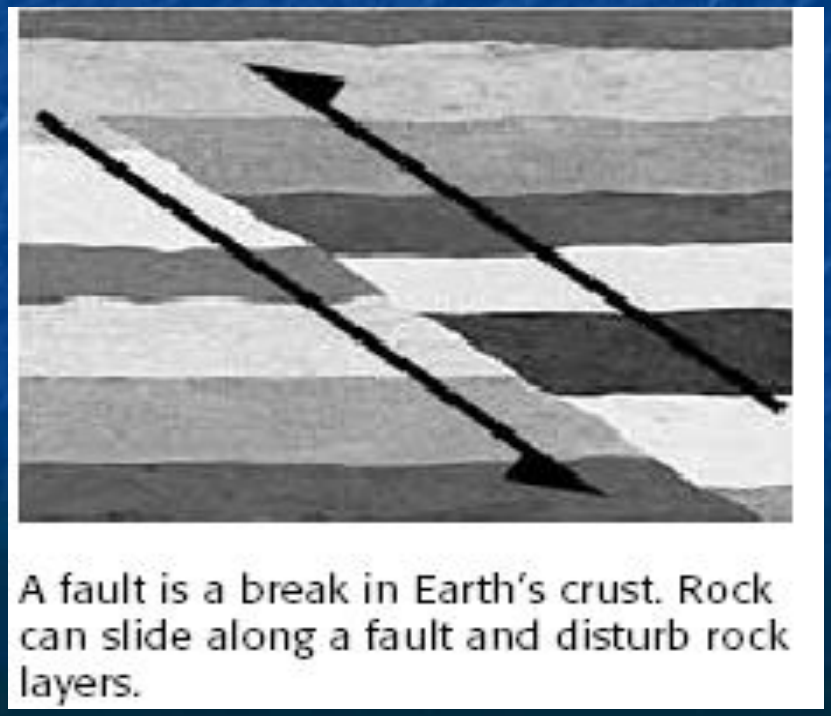
Surface where a ____ in _____ of sediments occurred or _____ of erosion.



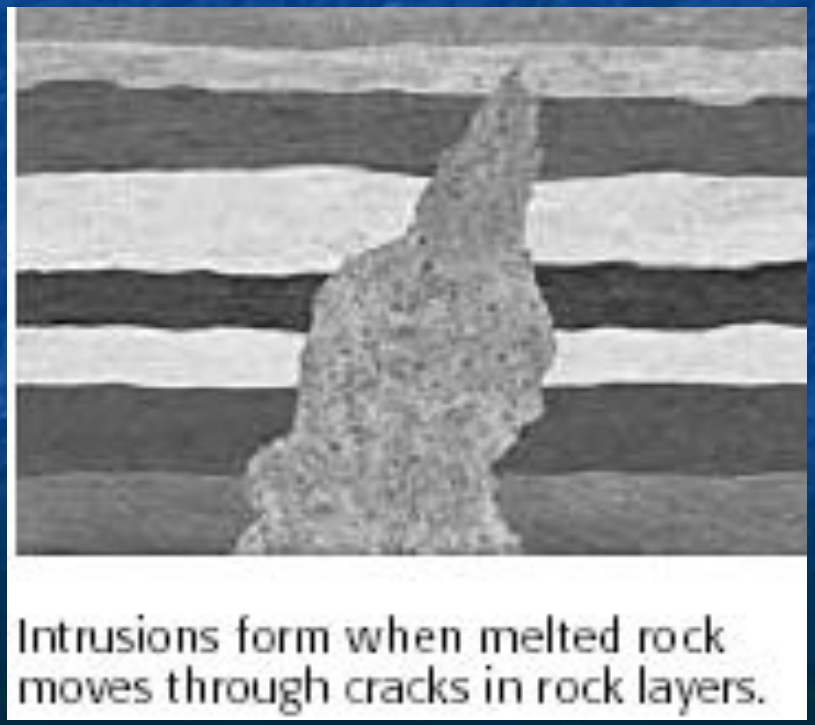
Eastern Grand Canyon

Law of Cross Cutting Relationships:

_____ ___ or igneous _____ _____ are _____ than the rock it cuts across.



A fault is a break in Earth's crust. Rock can slide along a fault and disturb rock layers.



Intrusions form when melted rock moves through cracks in rock layers.

Hance Rapids, Grand Canyon

Principle of Inclusion:

_____ material trapped _____ igneous intrusion or sedimentary rock layer is _____ than rock that surrounds it.

Lake Pleasant