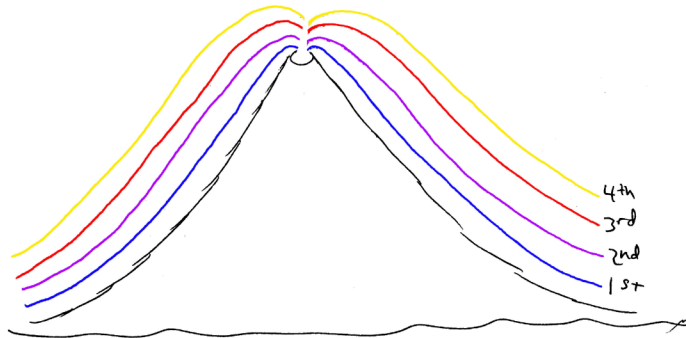
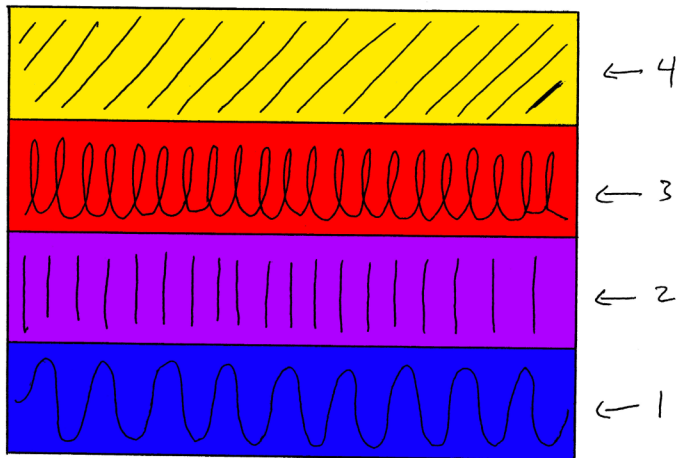


The Principle of Superposition

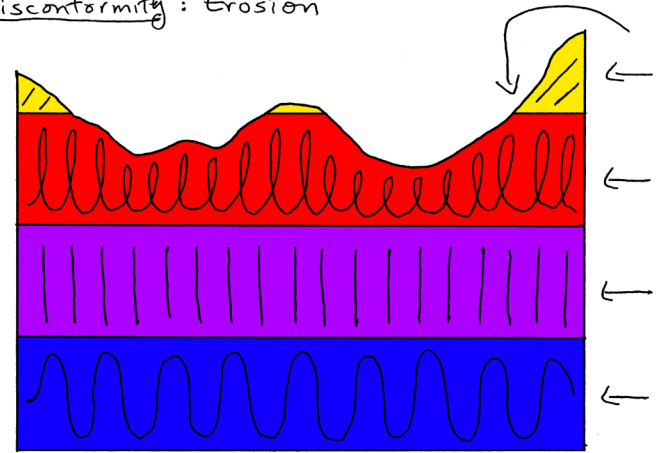
① Original Picture



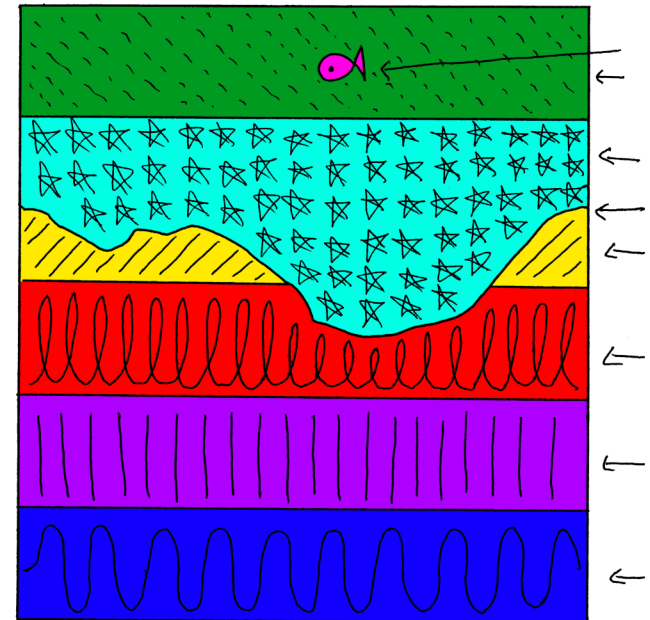
In an undisturbed layer of rocks, the oldest rocks are at the bottom and the youngest (newest) are at the top.



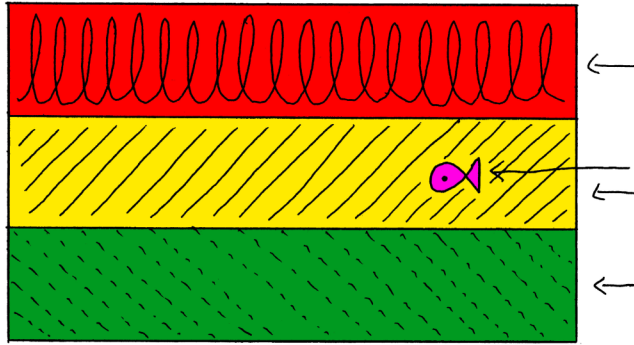
② Disconformity: Erosion



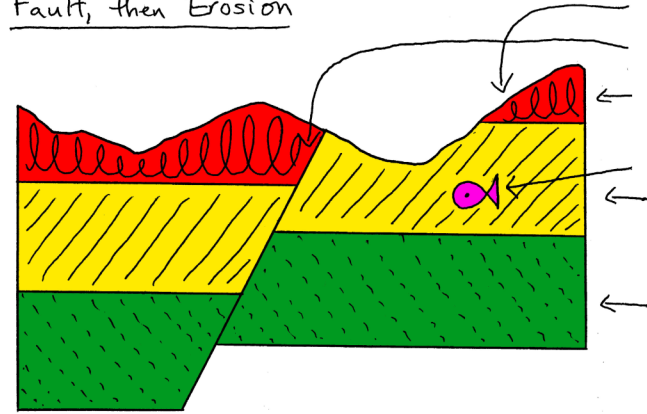
③ Disconformity: Erosion With New Layers



④ Fault: Before

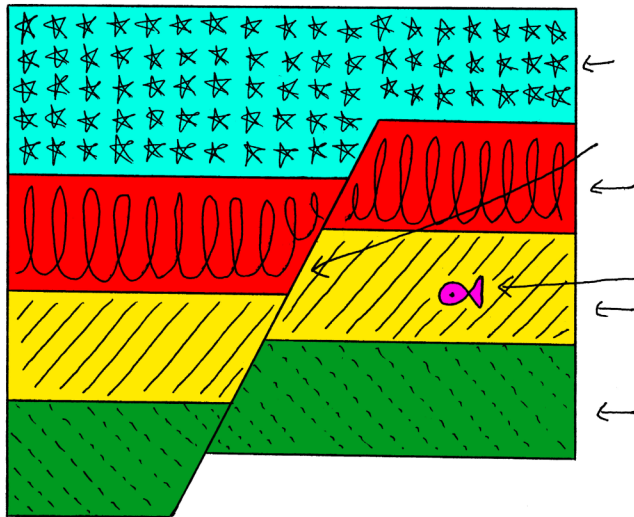


⑥ Fault, then Erosion

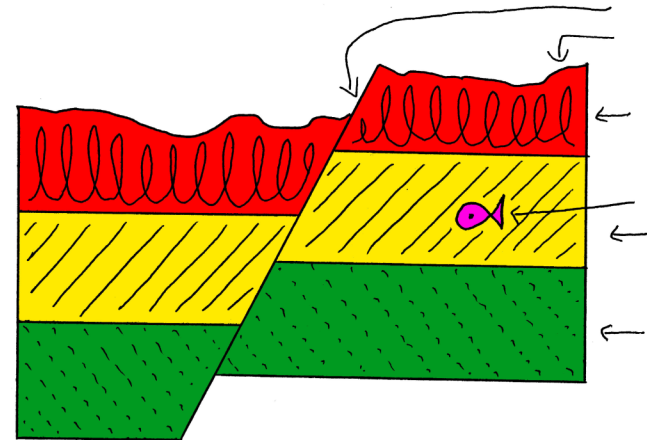


Note: You can tell that the fault came first because the erosion cut through the top of the fault.

⑤ Faults: After (with a New Layer Added)

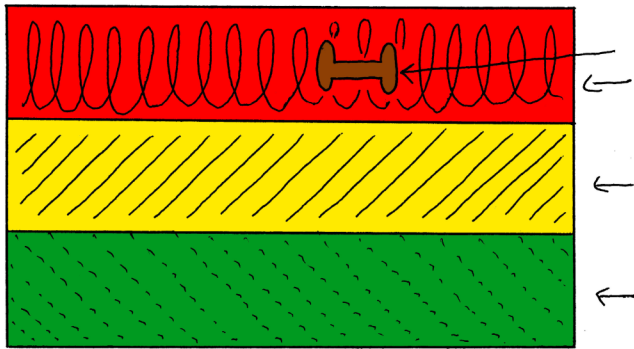


⑦ Erosion, then Fault

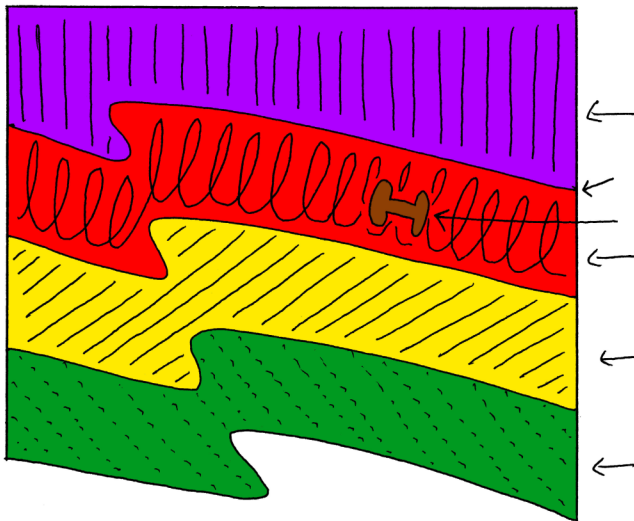


Note: You can tell that the erosion came first because the fault separated the two eroded layers.

⑧ Uplifting: Before [also called Folding]

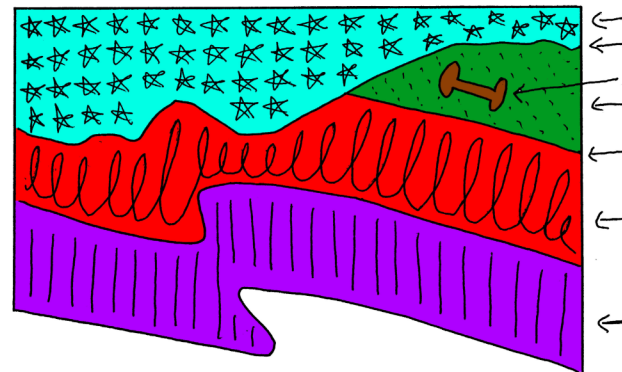


⑨ Uplifting: After (with a New Layer Added) [also called Folding]



⑩ Angular Unconformity

↓ Folding or Uplifting AND Erosion ↓



⑪ Igneous Intrusion or Igneous Dike

