

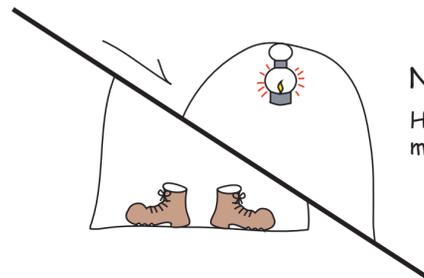
Fault Systems

Many geology terms come from mining. In mining, "hanging wall" tells you where the roof of the tunnel is, and "footwall" tells you where the floor of the tunnel is. In fault systems, these terms now mean top and bottom and let you understand what moved up, down, or sideways.

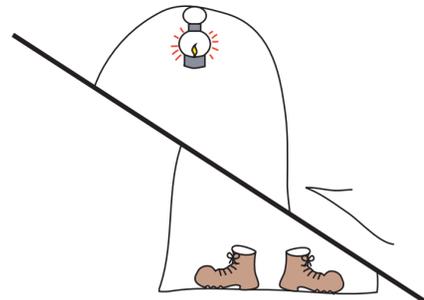
Hanging Wall (Roof)



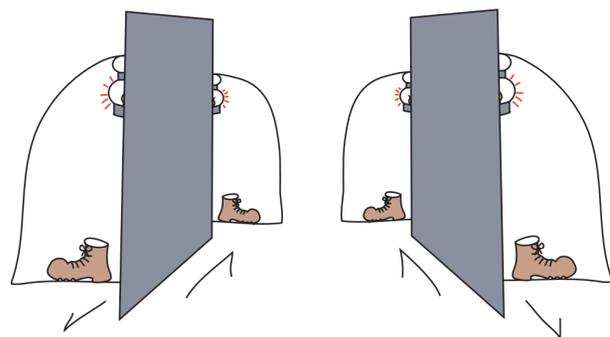
Footwall (Floor)
where you put your feet



Normal Fault
Hanging Wall moves down



Reverse Fault
Hanging Wall moves up



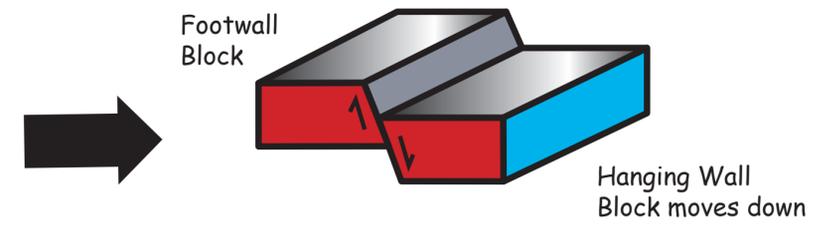
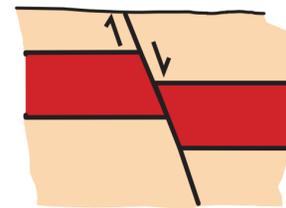
Left-Lateral Movement Right-Lateral Movement

Strike-Slip Movement

Movement direction is determined by side nearest to you

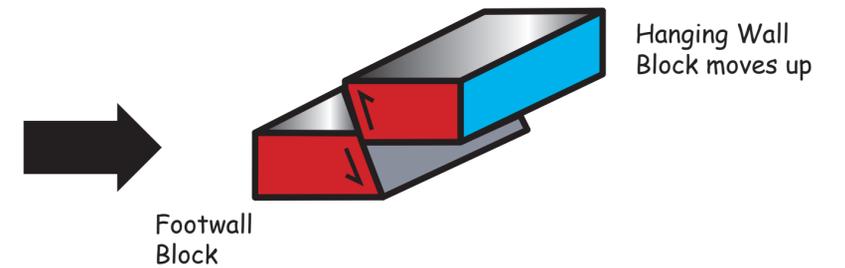
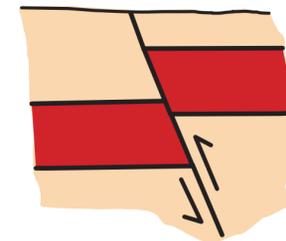
Normal Fault

(cross section)



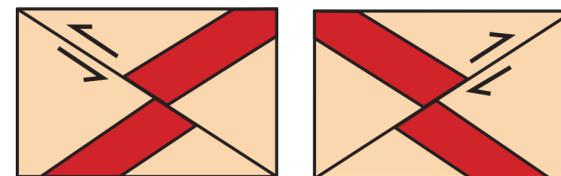
Reverse Fault

(cross section)



Strike-Slip Fault

(top view)



Left-Lateral Fault

Right-Lateral Fault

