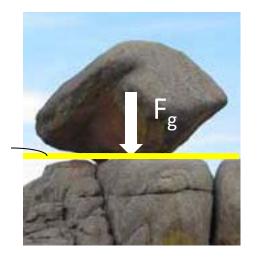
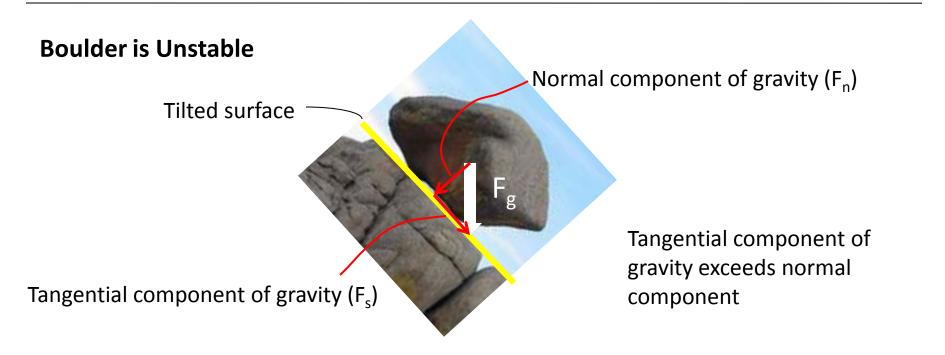




Horizontal surface



Force of gravity acts at right angles to slope – no tangential component exists



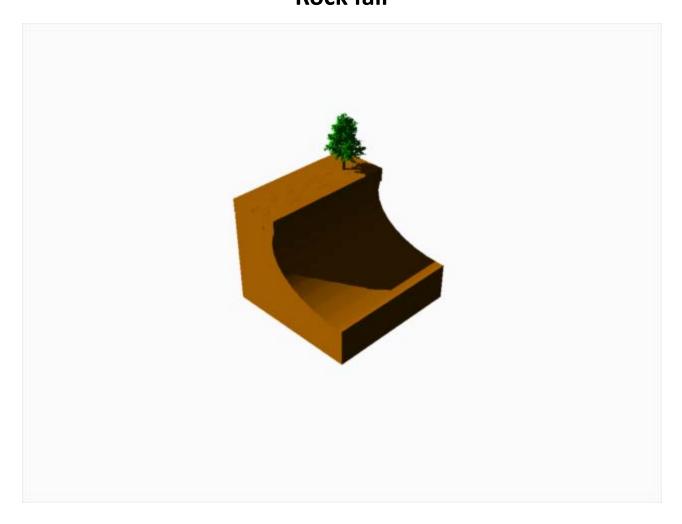
Motion occurs rapidly and is discernable to the naked eye

- 1. Rock falls and topples
- 2. Rotational, translational, and blocks slumps or landslides
- 3. Mud flows, earth flows, debris flows, and lateral spreads

Motion occurs so slowly that it is not discernable to the naked eye

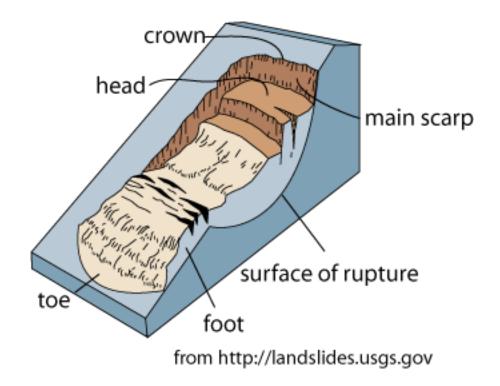
- 1. Creep
- 2. Solifluction

Processes that are Perceptible to the Naked Eye Rock fall

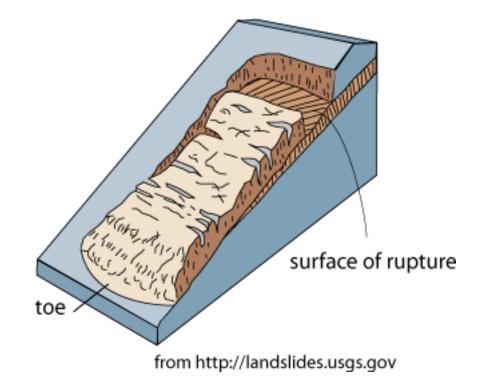


Topple

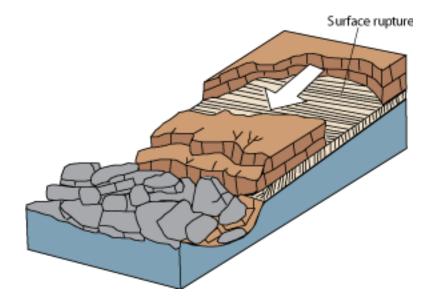
Rotational Slump



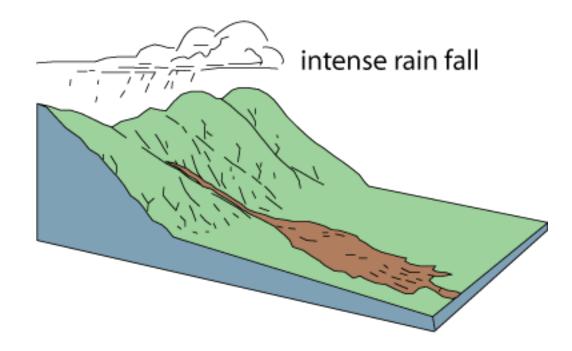
Translational Slump



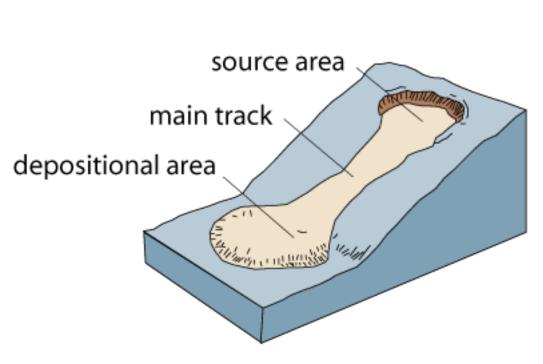
Block Slump



Mudflows and Debris flows



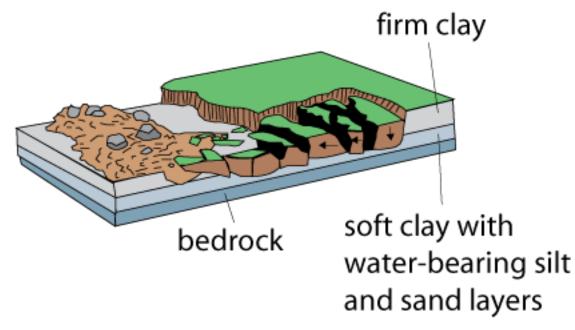
from http://landslides.usgs.gov



Earthflow

from http://landslides.usgs.gov

Lateral Spread



from http://landslides.usgs.gov

Processes that are Imperceptible to the Naked Eye

Creep and Solifluction





