

Types of Mars Movements

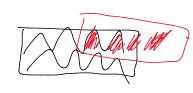
> 1> Rock falls - Rock fall is the free falling of rock blocks over any steep slope.

These rocks are from the superficial layers of the pocky mountain.

accumulated rock debrus at the

base of a steep slope.









Zone of weakness mostly have nockslides. Excess water 18 present in the rocks. These rocks ore slippery.



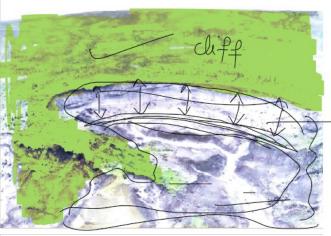
ore slippery.



Landslide - mostly occur when a large piece of rock breaks off and shides down a hill. It is often initiated by earthquakes and very heavy rainfall.

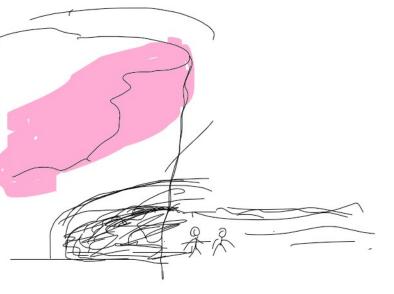






\_\_ Great mass of bedrock moves downward by a scotational slip from a high cliff (Slump).





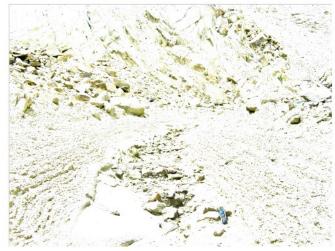


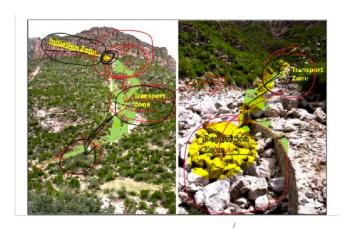
Debris Slide - morre extensive; on a large scale; mixture of soils



on a large scale: mixture of soils as well as sock fragments.







Debrus flow = mudflow + earthflow + debrus

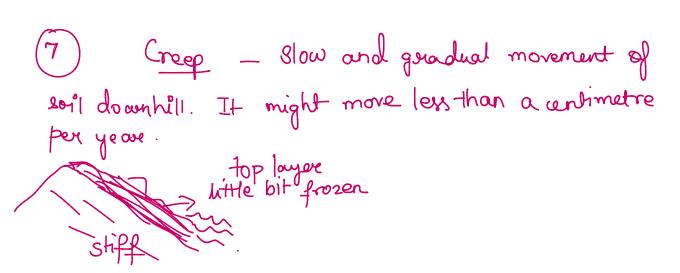
Types of debrus flow; -

Steep

lofty

I) Earthflow - When earth material moves down a hill as a fluid like mars; it is called earth flow. It takes place in humid stegions. The soil is mostly thick and rich in day, and it also has water trapped in it.

2) Mud flow - It is a liquid mass of soil, rock debrus and water It moves quickly down the slopes It mostly occurs in mountainous and semi avid environments. A mud flow that originates on a volcanic slope is called a lahar 3. Avalanche - deadliest type of debris flow It happens reapidly.



Eposion - Removal of top layer of isocks and soil.

by agents like wind, sunning, offaciers, waves,

and groundwater.

> Enosion degrades relief (any landmass), i.e, the landscape is worn down.

Steeper sloper Enosion deposition (settled down).

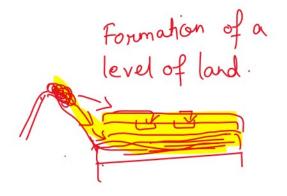
Deposition is a result of Exasion.

Aggradation

Formation of a

Degradation

Diminishing ox



Diminishing of determination of a level of land

Increase in land elevation, typically near a river system due to the deposition of sediment.

Soil Formation (Pedogenesis)

depends on weathering

> Depth of the weathered material (weathering mantle) forms the bossic source for soil formation.

weathering court martle

1 core

Finally, the weathered material Or transported deposits are colonised by bacteria and other inferior plant bodies like lichers and mosses.

Soil forming factors

1) Parent material

2) Topography

3) Chimate

Parent material.

Lennetes,

earthworms,

rodents; etc.

Fully mature level of soil will take sufficient time.