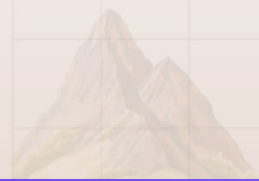




# Geomorphic Processes

- Geomorphic processes are changes in Earth's surface caused by endogenic and exogenic forces.
- Endogenic processes are land-building; exogenic processes are land-wearing.
- Geomorphic agents include running water, wind, glaciers, waves and ocean currents.
- Gravity is the fundamental force behind mass movement and downslope movement.
- Denudation includes weathering, erosion, mass wasting and transportation.
- Weathering is an in-situ process.
- Weathering is of three types: physical, chemical and biological.
- Exfoliation is also called onion weathering.
- Feldspar changes into clay through hydrolysis.
- Carbonation helps in cave formation.
- Mass movement is downslope movement of rock and debris under gravity.
















- Solifluction and soil creep are slow mass movements.
- Earthflow, mudflow and debris avalanche are rapid movements.
- Landslides include slump, debris slide, rock slide and rock fall.
- Talus is debris accumulated at the base of a slope after rock fall.
- Erosion removes and transports rock debris.
- Deposition occurs when agents lose velocity and energy.
- Pedology is the science of soil.
- Five soil-forming factors are parent material, topography, climate, biological activity and time.
- Parent material and topography are passive factors; climate, biological activity and time are active factors.
- Eluviation means downward movement of soil components; illuviation means deposition in lower horizons.
- Rhizobium fixes nitrogen in root nodules of leguminous plants.

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