Gradational Forces

- Exterior force
- Lowers elevation
- Parallel to tectonic forces

- Weathering
- Movement by erosional agents
- Deposition, aggradation
Weathering

- Variable scales
- Chemical
- Mechanical
Agents of Erosion

- Gravity or mass movement
- Ground water
- Surface water
- Wind
- Ice
- Waves
Gravity or Mass Movement

- Most important
- Fast or slow
- Wet or dry
- Slope, water, vegetation controls
- Creep, solifluction, rockslide, landslide, slump
Ground Water

- Limestone
- Karst
- Lack of surface streams, caves, sinkholes
- Florida, Yucatan, Kentucky, Yugoslavia
Surface Water

- Precipitation impact
- Overland flow, sheet erosion
- Channelization
Stream Patterns

- Dendritic
- Trellis
- Radial
- Indefinite
- None
Dendritic

Rectangular

Fractures

Ridge

Valley

Radial

Trellis