

Erosion

What is the difference between weathering and erosion?

Gravity—Mass Movements

What are the four factors that influence mass movements?

How is a fall different than a slide?

How is a mudflow different than an earthflow?

How does soil creep occur?

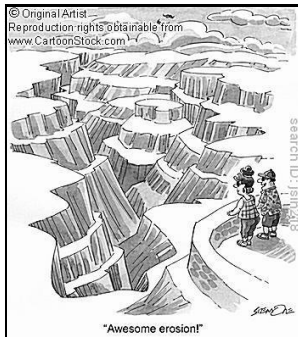
Wind

Deflation

Abrasion

Dunes

Loess



Words to Know

ABRASION

CARBONATION

CHEMICAL WEATHERING

EROSION

EXFOLIATION

HORIZON

HUMUS

HYDROLYSIS

ICE WEDGING

LANDSLIDE

LEACHING

MASS MOVEMENT

MECHANICAL WEATHERING

MUDFLOW

OXIDATION

REGOLITH

Weathering, Erosion, and Soil Formation

Weathering =

What is the difference between mechanical and chemical weathering?

Mechanical Weathering

Frost Wedging

• talus

Unloading

Biological Activity

Chemical Weathering

Hydrolysis

Oxidation

Spheroidal

Rate of Weathering

Surface Area Exposed

Rock Characteristics

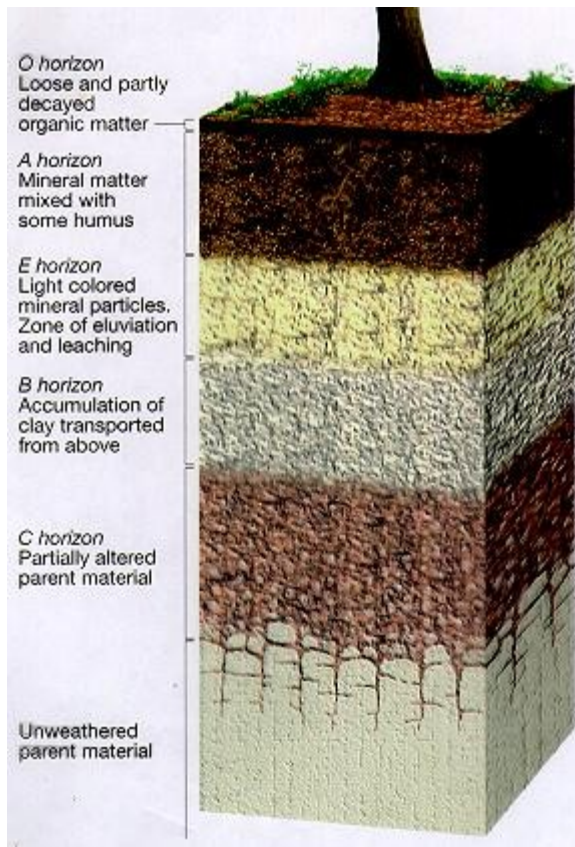
Climate

Mastery Anyone?

Soil

How is soil formed? What is it based on?

What is the difference between a soil profile and a soil horizon?



Regolith

Humus

Topsoil

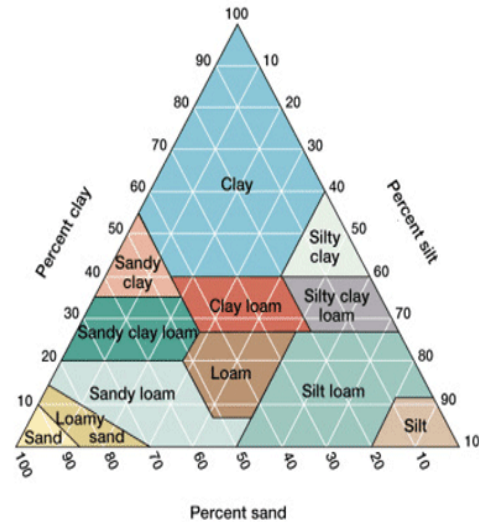
Subsoil

How is "leaching" related to a mature soil profile?

What does it mean to say that soil is created from the bottom up?

Using the soil pyramid below, complete the table

| Texture | Clay % | Sand % | Silt% |
|---------|--------|--------|-------|
| | 30 | 30 | |
| | | 10 | 90 |



Soil Porosity and Permeability

Pore Spaces (Porosity)

Permeability

If you are building a landfill, what type of soil would be best?

WHY?

Erosion by Glaciers, Desert, & Wind

Glaciers:

Describe the two ways that glaciers move:

- 1.
- 2.

Describe the two ways that glaciers erode:

- 1.
- 2.

Desert

Explain the roles of wind and water in desert erosion.

Wind

What are the two ways that wind erodes in a desert?

- 1.
- 2.

What are the two ways that deposition occurs?

- 1.
- 2.