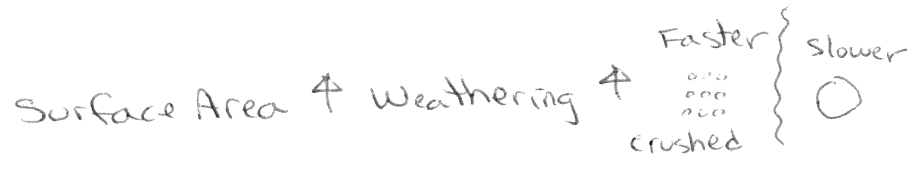


Weathering = BREAK

Physical - Breakdown of material into pieces.

- Frost Wedging - Temp. alternate btwn melting / freezing
Water expands in cracks
- Root Action
- Abrasion

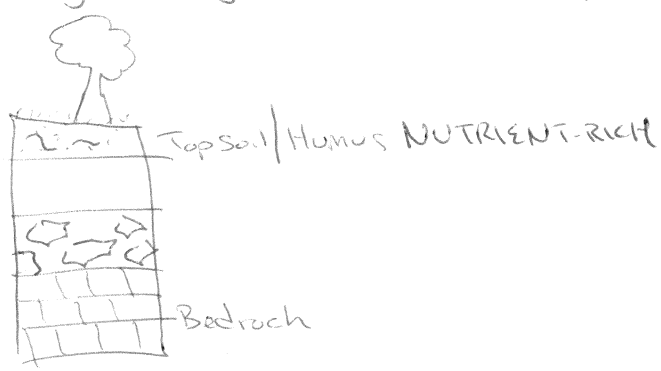


Chemical - Changes composition / DISSOLVES

- Water / Acid Rain dissolve limestone
- Caves
- Hot + Humid / Warm + Wet / Rain
- Solution

Rocks are more resistant, harder →

Soils = weathering + biological activity = topsoil / humus



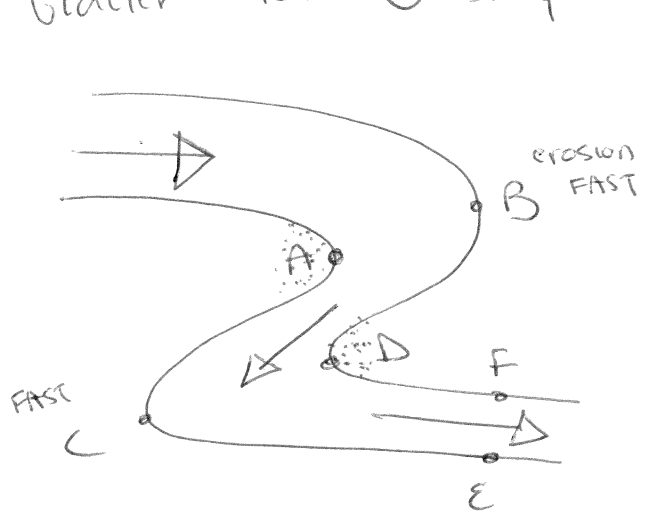
Erosion - moving / transport of sediments

Gravity - Landslide - Angular / Unsorted

Wind - Sand dunes - Abrasion - Pitting / sorted

Water - Rivers - Abrasion - V shape - Sorted / Layered

Glacier - Ice - U shape - Unsorted / Not layered - Striations - Boulders

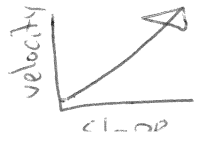
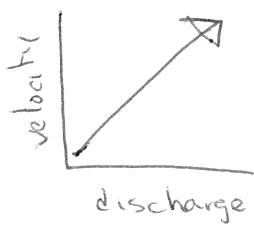
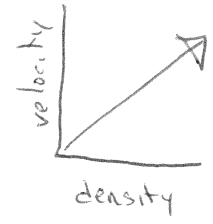
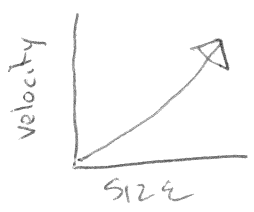
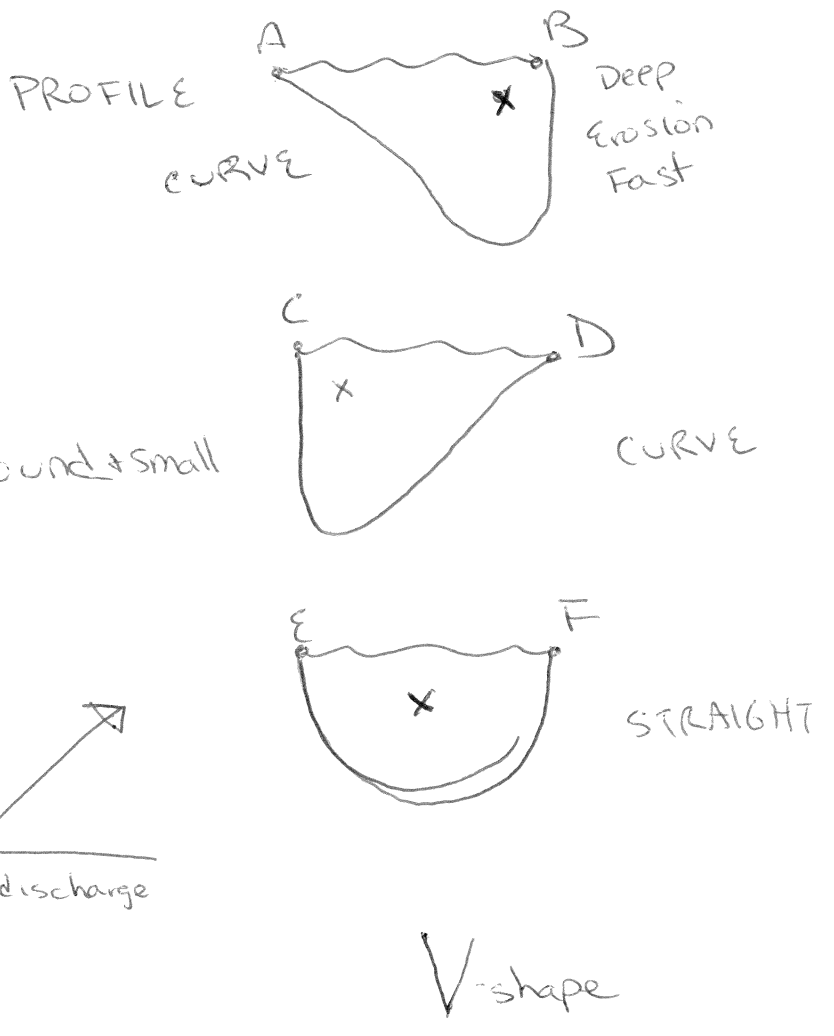


(Pick-up) EROSION	(DROP) DEPOSITION
B/C	A/D
outside curve	inside curve
Faster	Slower
moving/pick-up	stop/drop
Deeper	shallower

Meanders

Slower - flat flood plains
older rivers

Sediments get smooth + round + small
in water



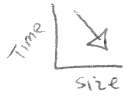
V-shape

Deposition - Drop -

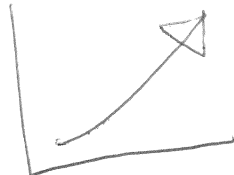
/ SETTLING



Size



Rate of Deposition



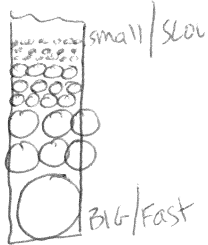
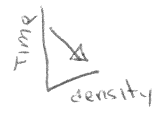
Roundness



Rate of Deposition

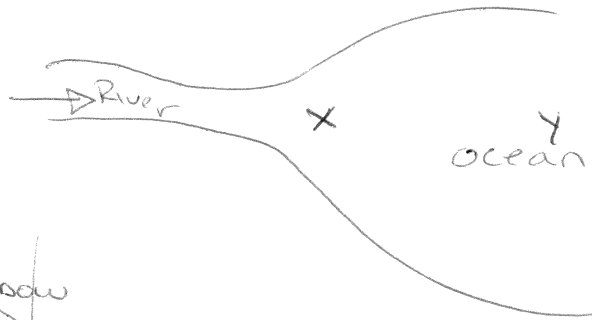
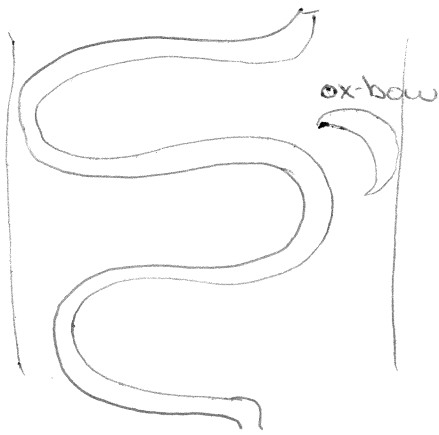


Density

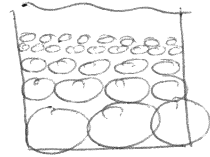


Larger, Rounder, More Dense = Deposited Faster, Rate ↑
 * (Takes less time ↓) *

Rivers enter a Lake/Ocean slow down. Deposits large sediment first.



sorting layering



Glaciers -

U shape

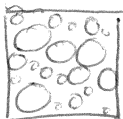
Unsorted

Not-layered

Striations

Parallel Scratches

Boulders/Erratics



unsorted
Not Layered

Finger Lakes

Drumlins



Outwash Plain - Water = sorted, sands, beaches

Long Island:



parallel scratches



