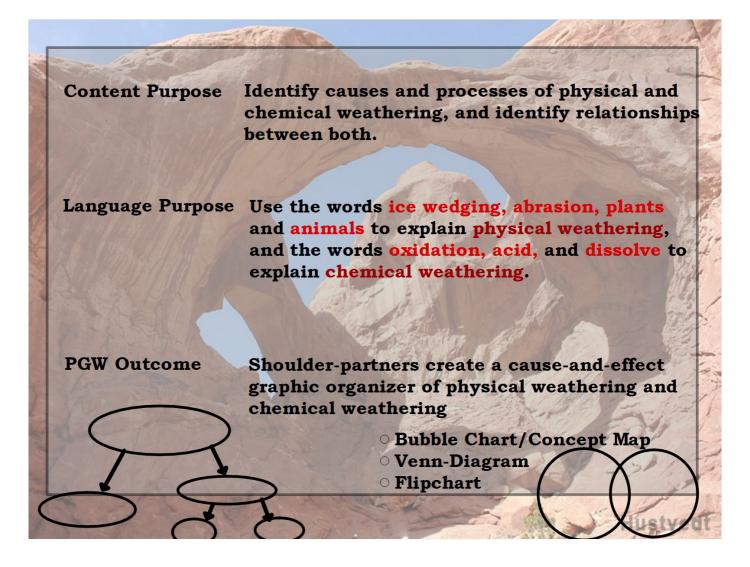


Day 4

bellwork starts with sharing previous-day's story



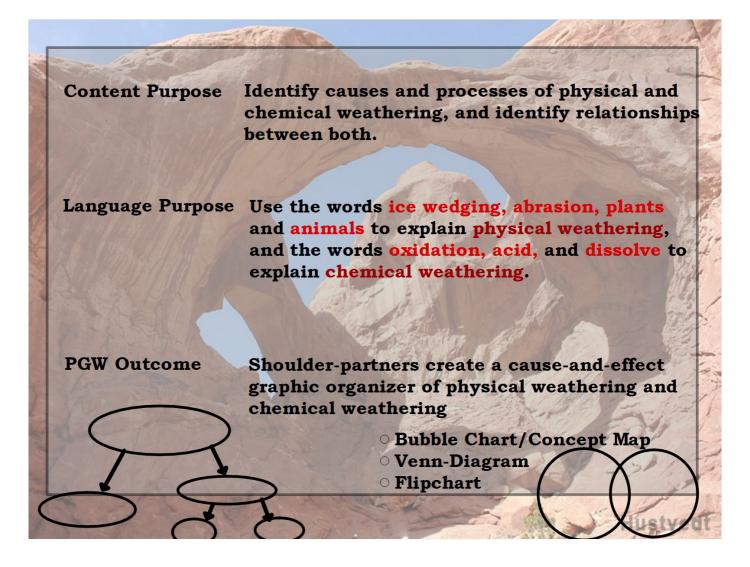




Weathering and Erosion

Weathering	into smaller pieces.
Weathering can also change ro	cks'
Weathering causes rocks to bre	ak down into sediment; such
as sand, silt and clay; which ma	ake up soil.
100000000000000000000000000000000000000	
There are two types of weather	ing:
	and
Chemical weathering caurock, it	ses chemical changes in the
Physical weathering break	s rocks down into
Physical weathering does not cl	hange the type of rock.
And the second	
• The rate of weathering depend	ls onand
• Higher temperatures increase	the rate of chemical reaction.
• Water is an agent of chemical	weathering.

Morris Vin		
Crosion, like we rosion is the rem o another.		duct <u>from one location</u>
Agents o	of erosion include:	
he rate of erosion he land, and the t		eather, climate, shape of
先		

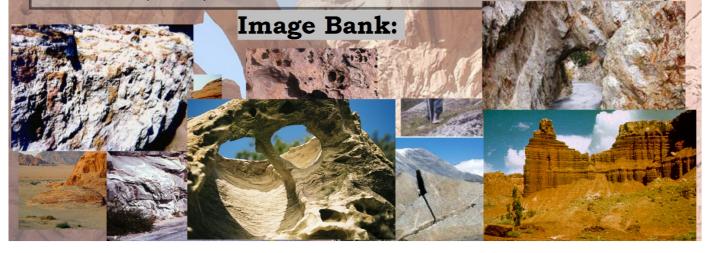


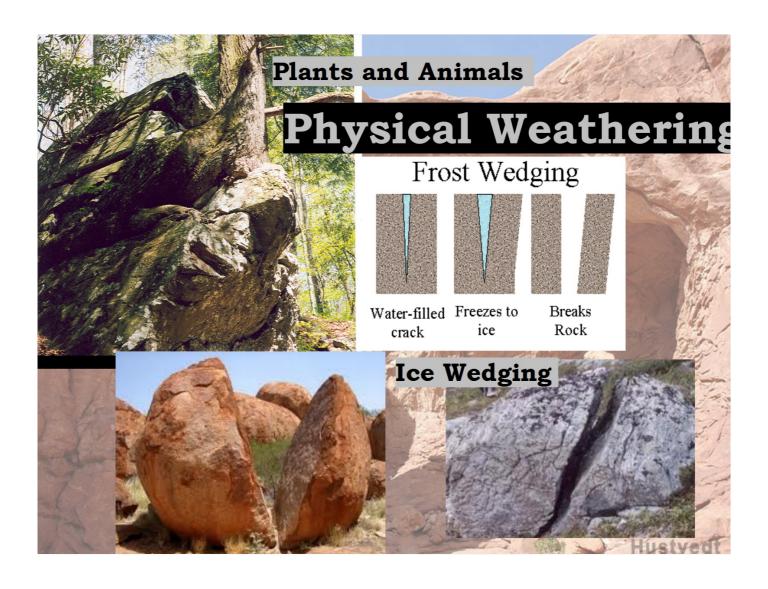


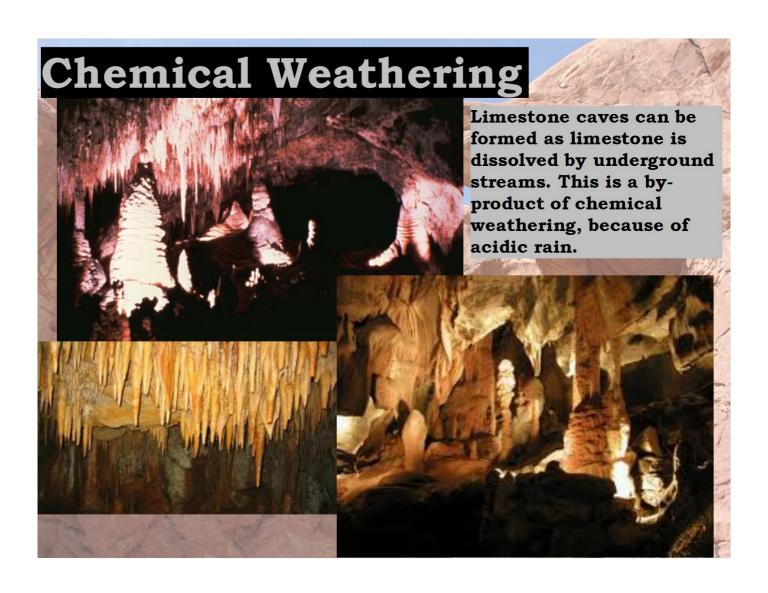
Create a cause-and-effect graphic organizer for physical and chemical weathering.

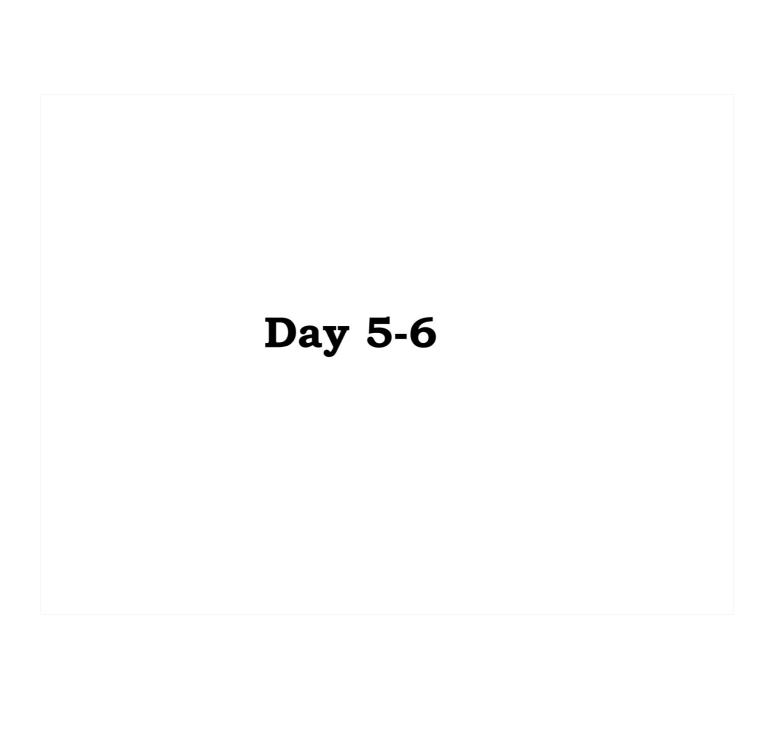
It's your choice how you want to organize the information, things you MUST include:

- -- characteristics of chemical weathering
- -- characteristics of physical weathering
- -- include minimum 3 terms: ice wedging, abrasion, oxidation, acid, dissolve









Bellwork: Shake It Up!

In your ISN create this chart on the RIGHT side

Inital Observations	Observations After 2 Minutes	Observations After 7 Minutes
Directions:		

- 1.As a group, what do you see in your 2L bottle? Write a minimum of 3 observations.
- 2. Shake the bottle rigurously for 45 seconds
- 3. Place the bottle on it's side on the red tray for the next 2 minutes, keep a running bullet point list: what changes occur in the bottle?

observe the settling of particles; what settles first? second? last?

Is the water moving? How do you know? (whether you answered yes, or no)

Content Purpose Investigate how erosion sorts sediment, and how the process of deposition is related to erosion.

Language purpose Use active verbs such as erode, deposit, abrade, and sequencing words to describe the process of erosion and landform creation.

PGW Outcome Create a 3-tab foldable describing the speed of water required to move each size of sediment, and what we'd expect each portion of the stream to look like.

Glaciers are large masses of ice that form on land and across	
Alpine glaciers form in mountains and	
Continental ice sheets cover	
and move outward	TOTAL CONTRACTOR OF THE PARTY O
from central locations.	A STATE OF THE STA
Glaciers carve rock as they move over it.	ALLIA TO THE
Glaciers can and	
Glaciers das they m	leposit lelt. Outwash is layered formed by streams of
water from	n a melting glacier.

In your ISN, under your chart, complete:
Keeping the bottle on its side, slosh with a light force.

Notice any changes and record them

Keeping the bottle on its side, shake with a medium force.

O How did the sediment move this time which was different than the first time?

With the bottle on its side, shake hard in order to create waves.

Discussion as a Class:

How much force was needed to move large particles?

When you used a lot of force, which particles settled first?

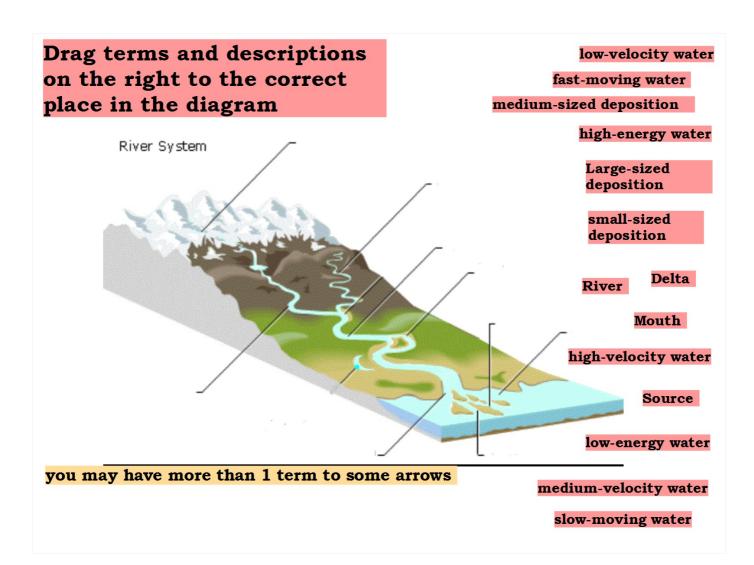
Which particles settled second? Last?

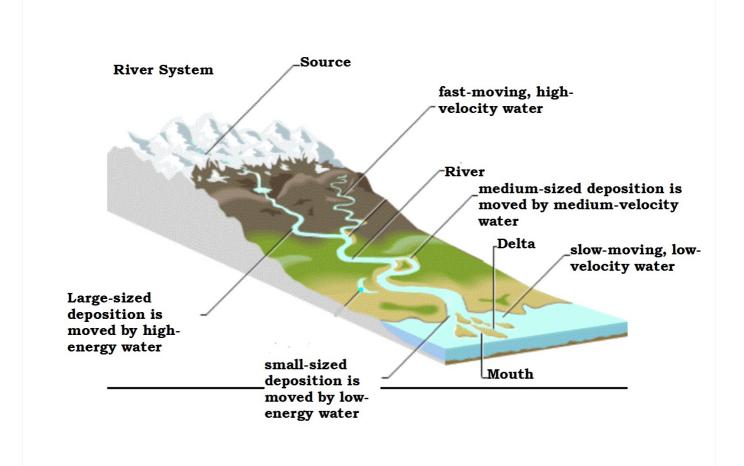
Why do you think some particles settled earlier than others?

Is this what you would have expected?

Did you see the water do clear? Will you?

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nments (mea		are
	aning water is:	moving
A STATE OF THE PARTY OF THE PAR		
nent in depo	sitional enviro	nments
rts and beac	hes	
sediment tha	t forms where	a
	rts and beac	nent in depositional environts and beaches ediment that forms where a







Create a 3-tab foldable

include a picture of the stream (either inside or outside)

Young Stream Mature Stream Old Stream

Describe speed of water, size of sediment, what we'd expect the stream to look like Describe speed of water, size of sediment, what we'd expect the stream to look like Describe speed of water, size of sediment, what we'd expect the stream to look like