Why do some igneous rocks have no crystals and some have big beautiful ones?? They both come from liquid rock..... so.... 50... if the motten material cooled below the ground it Cooled Glowy and had fine to grow large Crystals. If in the Explain the story of how we got a piece of schist in class.... Start with the Blob of Magma, don't forget any of the steps!!!! Magma - cooled into Igneans Rock - that MK was heated up + squished turned Surface - cooled too quickly to farm crystals Mela morphic - and that repeated a second fine to make a different mela morphia ex Draw a series of four pictures showing the steps to form a sedimentary Rocks: 1. lake (never mind) 2. sediments 3. more sediments - layers! water dried up! 4. What type of rock A simple cross section of a volcano Would form in This area of the crater Picture. m secondary cone main vent

What landforms are constructive and what does that word mean? (ONSTRUCTIVE: builds up (and form 5)
Oxbow lake, flood plain, alluvial fan, delta,
glacial moraine.
What landforms are destructive, what does that mean?
Destructive: wearing down & destroying
V-shape Valleys. U-shape Valleys.
How is WEATHERING different from EROSION?
Weathering is breaking nocks into smaller gienes
Weathering is breaking nocks into smaller pienes Evosion is Moving them some where else.
What are examples of chemical weathering?
1 Carbonic Acrd - Sulfaire Acrd lain
How about physical weathering?
Freezing/Hawing, wind abrasion, plant + animal action
Which of these weathering have you ever observed in the world??? Write where you saw them too.
Pot Holes - Minnesota! Tree Rests -
Vot Holes - Millinesota, Vermillion Falls
Which landforms come from Glaciers???
a. Glacial Movaines
b. U- Shape Valleys
Which landforms come from Rivers? (more than two!)
Delta, oxbon Lake, Meanders,

Delta, oxbon Lake, Meanders, V-shape Valleys, 14. In this meandering stream: put E's where EROSION is happening and D's where DEPOSITION is happening: MATCHING... $\frac{\cancel{\mathcal{L}}}{1}$. Rocks formed by changes in heat and pressure Column II or by toxic acids 2. Rocks formed from molten rock a. Metamorphic rocks b. Rock cycle 23. Rocks formed from sediments c. Sedimentary rocks d. Cementation 4. Igneous rocks that cooled quickly e. Extrusive f. Intrusive 5. Metamorphic rocks with lines or bands q. Sediments h. Igneous rocks _6. Process by which sediments are squished together Compaction j. Foliated _7. Metamorphic rocks with no lines k. Lava _8. Process by which sediments dry out and harden I. Non-foliated m. Deposition $\frac{V}{V}$ 9. When sediments used to be living (fossils, shells, plants) n. Erosion o. Ocean _10. Bits of weathered rock, plant material, bones, dirt p. Organic a. Clastic 11. Process that drops and leaves sediments behind 12. Magma that has reached Earth's surface 13. Model that illustrates the process that change rocks

14. Process that moves or washes sediments away

17. Body of water that sedimentary rocks around

__16. Igneous rocks with LARGE crystals

Hastings formed in.

_15. When sediments are non-living (sand, mud, rocks)

ROCK REVIEW

NAME (10Wh hat Hour ?

MULTIPLE CHOICE

<u>d</u> 1. /	Magr a. b.	na that cools below extrusive metamor extrusive Igneous	Earth's surface f phic	ormsro c. intrusive m d. intrusive ic	ocks. etamorphic Ineous				
<u>4</u> 2.		processes involved in condensation	the rock cycle b. erosi	include all of on	the following exc c. weathering	ept	 d. compact	tion	
<u>D</u> 3.		ated rocks are disting large pores		 5	c. mineral grai	ns	d. differen	t sediments	
<u>C</u> 4.	Lava a. b.	that cools quickly o extrusive metamor intrusive sedimenta	n Earth's surface phic ry	e formsr c. extrusive ic d. intrusive ic	ocks. Ineous Ineous				
<u>U</u> 5.	Met	amorphic rocks forn heat	n from all of the b. pressure	e following ex c. erc	cept: sion	d. acids			
<u>b</u> 6.	Quai a.	rtz is a mineral, grani also a mineral	ite is b. a rock	c. gla	SS	d. liqui	d		
<u>b</u> 7.	7. A classification of metamorphic rocks would include which of the following: a. intrusive vs. extrusive b. foliated vs. non-foliated c. clastic vs. organic d.								
<u>0</u> 8.	Sedi a. b.	edimentary rocks are a. formed below Earth's surface from magma c. formed from great heat and pressure b. a type of foliated metamorphic rock d. formed from pieces of rock/dirt squished toge						ether	
<u>C</u> 9.		amorphic rocks with organic				d. non-	-foliated		
<u>b</u> 10). Flo a.	ood water picking up huge rocks and tons of dirt an cementation b. erosion c. depo			nd carrying them position	d carrying them away is an example of: osition d. compaction			
<u>M</u> 11.		e big island of Hawaii constructive forces				example d. com			
0 12	. Wl	hich of the following V Shaped valleys	g landform is cau b. mea	ısed from DEI nder erosion	POSTION: c. U shaped va	lleys	d. alluvial	Fans	
<u>J</u> 13	. The	e Grand Canyon has destructive forces	formed from wa b. cryst	ater eroding it allization	s rock layers, this c. constructive	s is an exa e forces	ample of: d. melting		