	Topic/Objective CHAPTER:		NAME:	
	ROC	CK CYCLE	Pd: 1 2 4 5 other	
			DATE	
Essential Ques	tion			
	De	escribe the Rock Cycle?		
Cue: Review: Thoughts: Main Idea		NOTE Taking AREA: • No beginning and no ending:	start anvwhere vou like	
Rock Cycle		 Is a process that shows how rock (RX) slowly and continuously change through time and remake RX 		
		This process takes a long time	e & rocks can remain in the same area	
		THE gravel, sand	d, silt, mud, clay, soil	
			SEDIMENTS	
		weathering and erosion	travertine compaction and cementation	
			(ittninication) conglomerate	
		(crystallization) (vulcanism)	SEDIMENTÀRY ROCKS sandstone mudstone siltstone	
		rhyolite andesite basalt	heat and pressure	
		(melting)	(metamorphism) chert gypsum	
			coal	
		granite diorite gabbro	Marchar	
			slate, argillite, schist, gneiss, marble, metasandstone, quartzite, greenstone, serpentinite, chert breccia	
Solidification		MAGMA IGNEOUS RX Process in which magma/Lava	a turns to solid form or turns hard.	
		<u>ALL MAGMA is by melting</u>	Burial	
		IGN rx to MAGMA melting (solid to liquid)	compaction Compaction	
		IGN RX SEDIMENT	(SEDIMENTS	
Weathering		 Is the chemical and mechanical (physical) process 	SEDIMENTARY	
		of breaking down of ANY types	NUCK Weathering & ernet	
		called <i>Fragments</i> or <i>Sediment</i>	letting usat and/or pressure	
Erosion		The process by which	Metamorphism	
		weathered particles are transported to a new location.	Tigheous Rock	
			METAMORPHIC Weau Melting	
		<u>SEDIMENT – SEDIMENT</u>	Meltin MAGMA solidit	
		ALL sediment is made from Weather & Erosion	ring	
		NOTES CONTINUE ON OTH	IER SIDE	

	Торі	c/Objective CHAPTER:	NAME:		
	Roc	k cycle			
			DATE		
Cue: Review:		NOTE Taking AREA:	Burial		
Thoughts: Main	Idea	SEDIMENT – SEDI RX	Compaction Deposition		
		(e.g. snow-snowball)	(SEDIMENTS		
Deposition		 Occurs when particles are deposited or dropped in a new location 	SEDIMENTARY ROCK Weathering & erosion		
Compaction		 Process which smaller sediment is pressed together to form a rock. 	morphism (Uping a erosion Rock		
Cementation Two common types of cement		 Process in which sediment is "glued" together be dissolved 			
		Quartz & Calcite are the most common types of cement. If a RX effervesces then it contains CALCITE within it			
		<u>SEDI RX – META RX</u>			
Protolith		 (e.g. Bread-toast) Add Heat and/or Pressure 			
		 Heat allows atoms in the rocks to rearrange themselves in response to pressure change, Temp change, or chemical reaction. 			
		• The original rock the 1 st rock.	parent rock COUNTRY ROCK		
		<u>META RX – META RX</u> More Heat and/or Pressure			
SUMMARY:		-			
Rock cycle in	Earth	s crust can be used to help remind	us how each class of rock forms, and how		
Rocks can be transformed from one type to another.					
Rock cycle is a process that shows how rocks slowly continuously change through time and					
Remaking of rocks.					
Rock cycle is a continuous process with no definite beginning or end, and that all rock types					
can be changed into all other rock types over time.					