Name		Unit 12 Deposition			
Perio	d Date	Earth Science			
		Earth Science			
I.	_				
	a. results from a loss of				
	b. Most deposition takes place in	<del></del> •			
	c. The sediments that are described	<del></del>			
	o. The sediments that are deposited	may under go processes to make them t	turn into		
		rock.			
II.	Factors that Affect Day				
11.	- Deposition	_			
	asettling rate.	- the greater the size, the	the		
		•	<u>-</u>		
		the more spherical the shape, the	<b>.</b>		
	the settling rate	•			
	1. Flat, angular and irregularly	y shaped particles settle			
	n. Smooth and found particles	s settle			
	V	- the greater the density the			
	the settling rate (if all the other fac	ctors are the same like size and shape).			
	a.				
	i. The faster the medium, the	the settling rate.			
	ii. The slower the medium, the	the settling rate.			
	iii. Rate and time	the setting rate.			
	1. The greater the settling	ng rate, the time it takes.			
	2. The lower the settling	g rate, thetime it takes.			
	E.				
	i. Evaporation temperature ch	nanges or an increased amount of dissolves			
	minerals in a hody of water	would make the most amount of dissolvered	ved		
	dissolved minerals.	would make the water unable to hold ar	ly more		
	ii Any more minerals will	31 1 1			
	iii Some minerals may	dissolve and settle to the bottom.			
	rocks.	to form crystals of mine	rals or		
	TOURS.				
III.	Sorting of Sediments	•			
~~~	2 During deposition and in the state	a. During deposition sediments of similar size, shape or density get separated			
	a. During deposition sediments of sim	nlar size, shape or density get separated	ł		
	I I I I I I I I I I I I I I I I I I I				
	b. Deposition happens when the veloc	ity			
	<b>U.</b>	sorting hannons when a started	a large		
	body of water and the	settle out first. The smaller, less dense	<b>8</b> -		
	particles	settle out first. The smaller, less dense			
	particles are carried faithful from she	ore.			
	d	- happens when a landslide dump	ne		
_	scuments into the ocean.	•	•		
	e	- happens after a series of vertical	1 aartin -		
	events	——————————————————————————————————————	soring		

IV.	Deposition by Gravity a. No occurs, pieces of different sized are mixed together – very angular
V.	Deposition by Running Water  a. Deposition occurs where the water is its velocity.  b can form at a river's mouth.  c can form at the base of mountains on land.
VI.	a. When ocean waves slow down as they drag on the bottom of the beach, the waves tend to move sediment to
VII.	the shoreline.  Deposition by Wind  a. Wind the sediment that it carries when the wind velocity decreases.  b. Sand dunes can result.
VII	A. Deposition by Glaciers  a. Deposition occurs when glaciers and sediments are dropped.  b are large rocks that have been transported by glacial ice without being broken into small pieces.  c consists of deposits of material left by a glacier are soils that haven't developed all the way (3 well-defined layers is a well developed soil).  e are curving ridges of sand and gravel  f are elongated hills of sediment.  g are small, rounded hills.  h are where chunks of ice have melted.

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	IX.	are regions on the Earth's surface in which		
-		physical features are related by origin (hills, valleys, streams)		
		a. The shape and composition of the landscape are determined by the		
		, local bedrock, geologic structure and human activities.		
		b. Landscape regions:		
		i have the greatest relief.  1 is the change in elevation between the highest and		
		1 is the change in elevation between the highest and		
		lowest places.		
		2. Can find each of the three types of rocks in mountains.		
		3. Result from forces with the Earth that push up mountains, some mountains are volcanic.		
		ii often relatively flat or rolling uplands in which		
		streams have cut deep valleys.		
		1. Famous Example: Grand Canyon		
		iii flat and low in elevation		
		1. Contain small hills and generally have flat sedimentary rock.		
	c. The climate influences the landscape.			
		i climates have a lot of water.		
		1. Rounded landscapes that have lots of (plants hold		
		the water in the soil.)		
		2. Chemical weathering may occur more here it it's warm.		
		ii climates have very little water.		
		1. Angular landscapes that have little vegetation		
		2. Physical weathering is more abundant		
		Thy broad weathering is more abundant		
	X.	Stream Development		
		a falls on the ground and flows downhill along the		
		easiest path.  b. Young streams have shaped channels and are relatively straight.  c. Middle-aged streams have modified shaped channels are have many meanders.  i are curves in a stream.		
		d. Old-aged streams have sort of shaped channels hand have many meanders.		
		i. Once a meander gets too, the streams can cut itself off to		
		go straight again. Leaving a curved lake behind.		