South	cal Geology Sevier High School e Notes – Chapter 12	87	Name Date Per		
1.	A i under its own weight.	is a large, long-lasting	mass of ice, formed	on land, that moves	s downhill
2.	Glaciers are part of Earth' the		, and along wit	h sea ice, glaciers	are known as
3.	About% of the wo	rld's supply of fresh wa	ater is locked up in g	lacial ice.	
4.	Glaciers develop as glacial	is compacted a	and recrystallized, fir	st into	and then
5.	glaciatio	on occurs in mountaind	ous regions in the fo	rm of valley glacier	S.
6.	of ice sheets.	glaciation covers	large land masses ir	า Earth's polar regio	ons in the form
7.	An	_ glacier gains more s	now than it loses, ha	as a (positive/negat	ive) budget.
8.	Α	_ glacier shrinks back	upslope and has a (positive/negative) b	oudget.
9.	Snow is added in the zone calving of icebergs) occur	e ofs in the zone of	of gla 	ciers, whereas mel	ting (and
12.	its margins. The Story of Antarctica (F	-ill in the blanks) (16pt	s):		
	 A layer of ice up to combined. Antarctic ice contains up, every person on E Although % of Ar the ice floats on top of The average temperat anywhere on Earth was Because of the frigid a gets less than 6 inches. For six months every ywarm you up much. Whe year, the Antarctic who can't leave. "What time is it?" is a Antarctica officially go Plant and animal fossi the bottom of the work southward. What is not 	% of the world's farth could have a chur tarctica is ice, there is the ocean. The oc	resh water (% on the office larger than the land underneath land land it a for the land land land land land land land land	of the world's ice). If the Great Pyramid. e ice cover, unlike the st temperature ever rely snows either; the! South Pole. But does coast. During the day on has a population nes converge. So e here. Antarc r the equator and g	f it were divided ne Arctic where recorded ne South Pole n't expect it to ark six months of of 28 people everyone in etica, all alone at radually moved
	Antarctica's ice is so h slightly	The ice is so heavy, ir			

13. Glaciers erode underlying i dragged along.	rock by	of rock fragments and abrasion as they are		
14. Match the following erosion	nal landscapes with their co	orrect definition:		
15 U-shaped valley Hanging valley Cirque Arêtes Horns	b. Sharp peaks remainc. A valley carved by ad. Steep-sided, half-bo	ning after cirques have cut back on 3+ sides		
16. Examine the image below. names of what each number		features of glaciation. Write the		
5 6 8	7 10	1		
17. General name for unsorted18. Deposits of till left behind a of moraines and they are:	, ,	nt is acier are called moraines. There are three kinds		
a b c	_ moraines are lateral mora	ow mounds of till along sides of valley glaciers. aines trapped between adjacent ice streams. I piled up along the front end of a glacier.		
19. Successive end moraines l moraines.	eft behind by a retreating of	glacier are called		
20. Examine the image below.	This image shows	features of glaciation.		
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Criscial fake (concepting and demonstrating and demonstrating graduator) 3	2/1/2	2		
4	1	34		
Count focus	Count room	5		
Outreach plant				

21.	Annual sediment deposition in glacial lakes produces, which can be counted like tree rings.
22.	Theory of states that at times in the past, colder climates prevailed during which much more of the land surface of Earth was glaciated than at present.
23.	The most recent glacial age was at its peak approximately years ago.
24.	Large pluvial lakes (formed in a period of abundant rainfall) existed in closed basins in Utah, Nevada and eastern California. The Great Salt Lake is a remnant of the much larger pluvial Lake
25.	are coastal inlets formed by drowning of glacially carved valleys by rising sea level.
26.	Levels of,, and global from Earth's past may be determined by examining deep ice cores from glacial ice.
27.	Rocks called, which are lithified glacial till, have distinctive textures that suggest emplacement of sediments by glaciers.
28.	The weight of an ice sheet several thousand meters thick is heavy enough to cause a portion of Earth's crust to "sink". When the ice melts, the land mass rebounds to its original position. This is called
29.	Why could it be argued that glacial ice is actually a metamorphic rock (5pts)?
30.	Why are glaciers the only erosional agent to produce a U-shaped valley (5pts)?
31.	Contrast the effects of alpine and continental glaciation on landscape development (5pts).
32.	How would you know that a series of mountains were shaped by glaciation rather than regular erosion (5pts)?