



Exercise: 1

Instructions:	Answer the	following:
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1.The	(the last 2 million years) has been a time of fluctuating climate conditions.					
2.There have l	been periods of glacial and non-glacial conditions of about	t years.				
	rth's temperature drops by only a few degrees,	build up causing the reflectivity				
_	hese cooler and wetter parts of the cycles when the d in the higher mountains of	(answer to #3) build up that				
5.List the 8 are	eas and/or mountains that were extensively glaciated in the	region.				
-	ning Rockies, the last two glacial advances were called ears ago, and which occurred					
7.These two a	advances are called and	in the Copper Basin region.				
8.In the Wood	l River Valley they are called	_ and				
9.Rewrite the p	previous names and ages next to each other in the correct a	age and area.				
Age:	Wyoming area: Copper Basin: Wood River	•				
10.During glac	cial advances, builds up and literally, although slo	owly,down valleys.				
11.The deposit	ts of poorly sorted sediment that forms on the sides and at	the end of valley glaciers are called				
12.At the front	t of glaciers meltwater flows					
13.This meltw	rater coming from the glaciers is full of sediment and is dep	posited downstream as river				
14.Explain brid	efly what glaciation has to do with the Bonneville Flood.					

15.The Bonneville basin is the result of million years ago.	and	faulting, which started approximately					
16.Water from the in northeast	on the west side of Nevada, and from the in northeast Utah, does not reach the ocean, but instead flows into a closed						
basin, of which Bonneville basin is the							
17.The climate changes produced large lakes of the periods it was drier and the	•	vetter glacial periods, but during the rink and exist as saline lakes.					
18.Dating methods vary according to what exist What type of dating method is used in the book cerned?							
19. What was the maximum height of Lake Bo	onneville in feet and	d meters?					
20.The Bonneville Flood was caused by failur Pass.	re of an alluvial dar	n at just north of					
21.The Bonneville Flood emptied in which di	rection?						
22. What are the "petrified watermelons"?							
23.Besides the climate change what other chan	nge may have caus	ed Lake Bonneville to rise as much as it did?					
24.As the flood moved through the Portneuf N moving atmiles per hour.	Narrows south of Po	ocatello the water was feet deep and					
25.As the water slowed when it spread out in the diameter were deposited.	the Pocatello down	atown area, boulders up to feet in					
26.A flat delta deposit now known as the the present site of the city of Chubbuck and th		_ was laid down northwest of Pocatello, and is .					
27.The Bonneville Flood occurred about	years a	ago. (radiocarbon date)					
28.It was somewhere around 3,000 years after floods.	the	floods and the					
29.The flood emptied the upper fee	et of water of Lake	Bonneville.					
30.The total estimated volume of the Lake Bo water.	onneville Flood is _	cubic km or 1150 cubic miles of					
31.The peak discharge may have lasted	weeks.						
32.The result of large scale flooding is called salcoves, scoured surfaces		· ·					
33.Using the descriptions of the preceding que topography in the Rocks, Rails and Trails book	•						
34. There are two possible reasons as to why t they?	the Bonneville Floo	od occurred mentioned in the book. What are					

35.After the flood, the lake stayed at the	 	_ of _	feet until abou
years ago.			

36. The modern lake level of the Great Salt