Unit	2:	Gradational	Processes	Quiz

Tonic:	Glaciation	(4)
I ODIC:	Glaciation	(~)

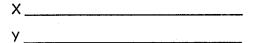
Vame	

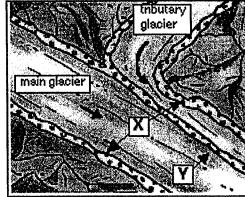
1. 7	he semi-solid transition stage between snow and glacial ice is cal	lled
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2. The moving force behind glacial advance is \_\_\_\_\_\_.

3. Drift refers to any material deposited by a glacier. Two types of glacial drift can be identified, till and outwash. State **one** important difference between till and outwash.

4. X and Y on the diagram point to debris carried by a glacier. Give the proper names for the debris which appears as dark lines in the glacial ice. X is located along the sides of the glacier and Y down the centre of the glacial ice.





5. The mound of debris left at the farthest advance of a glacier is

6. Give the name for a sharp ridge formed when 2 cirque glaciers erode the valley wall between them.

7. What shape are glacier valleys? \_\_\_\_\_

8. A sharp mountain peak created by glacial action is known as a \_\_\_\_\_\_



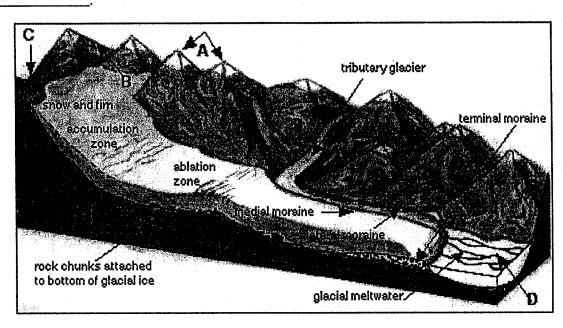
Unit 2: Gradational Processes Qi	Unit	Processes G	Qui
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Topic: Glaciation (B)

Name	
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1. Deep cracks created when a glacier moves over uneven rock surfaces are called

2. A bowl-shaped depression formed by the erosional action of glaciers is called a



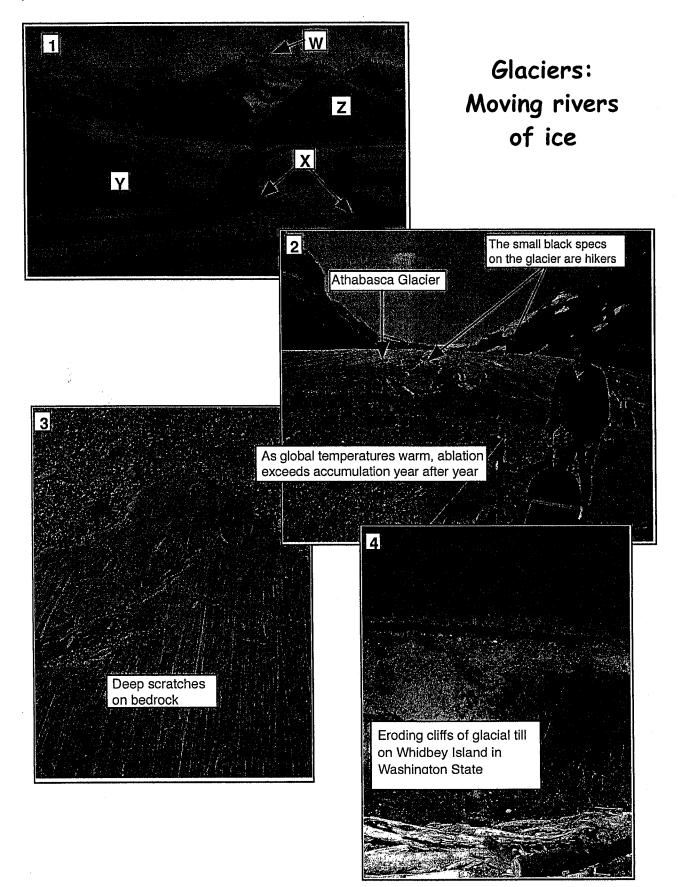
Use the diagram above to answer question 3.

3.	Give	the	proper	name	for	the	fol	lowing
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- A. A sharp peak created by glacial erosion \_\_\_\_\_
- B. A sharp mountain ridge created between two glaciers \_\_\_\_\_
- C. A mountain pass formed by excessive glacial erosion \_\_\_\_\_
- D. Glacial drift deposited by meltwater \_\_\_\_\_
- 4. Give two benefits of glaciers.

5. Long, narrow, and often deep lakes formed by advancing glacial ice are known as

6. Isolated boulders left behind by glaciers, often 100's of kilometres from their source of origin are called \_\_\_\_\_\_\_.



Unit 2: Gradational Processes

Define recessional moraine.

Topic: Glaciation

Name

l. In photograph 1 the dark strands of glacial debris a	t X are called		<u> </u>	
-low did they form?				
				V. 3
2. The debris along the side of the glacier at Y is calle	<b>ل</b> م.			
1. The debris diong the side of the glacier at 7 is calle	<u> </u>			
3. Give the proper name for the sharp peak at W				
How did this peak form?				
	<del></del>			
Numerous sharp ridges are often evidenced leading av	vay from sharp m	ountain pec	ıks. What	are these
ridges called?				
How were these ridges formed?				
			1.00	
4. The typical shape of a glacial valley is			drop-offs	with numer
4. The typical shape of a glacial valley is The steep valley sides left behind after glacial ice me	lts away are ofte	n vertical o	drop-offs	with numer
4. The typical shape of a glacial valley is The steep valley sides left behind after glacial ice me waterfalls cascading down to the valley bottom. These	lts away are ofte	n vertical o	drop-offs	with numer
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## Unit 2: Gradational Processes

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lopic: Glaciation	Name
6. Could there be more than 1 recessional moraine?	Why or why not?
· .	
7. As global warming accelerates, both alpine glaciers and of rapid retreat. Within 50 years many glaciers will have of the environmental changes that will occur as a result	ve all but disappeared. In a paragraph discuss some
	· s
8. In photograph 3, deep scratches are evident in the b	
9. Debris deposited by glaciers is referred to as glacial outwash. Photograph 4 shows glacial till that was deposand outwash?	

Unit 2:	Gradational	Processes
Tonic:	Glaciation T	erminology

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Pick the correct term from the following group of words to fill in the blanks below.

	outwash	erratic	firn	horn
	arete	truncated spur	cirque	till
	esker	lateral moraine	drumlin	tarn
	striation	ribbon	kettle	col
	terminal moraine	medial moraine	crevasse	
1				

1. Unsorted and unstratified glacial deposits.
2. A sharp knife-like ridge, created by ice action.
3. Indicates the farthest point of glacial advance.
4. A hillside hollow created as ice plucks and abrades the rock surface.
5. Sorted and stratified glacial deposits.
6. A lake created when a block of ice is left behind in a depression.
7. A large boulder deposited far from its source of origin by moving ice.
8. Small elongated hill of glacial deposits.
9. A transitional stage of glacial ice, consisting of a snow and ice mix.
10. A small lake left behind when glacial meltwater fills a hillside hollow created by glacial erosion.
11. Deep scratch created when rocks attached to glacial ice abrade bedrock.
12. Glacial debris carried along the side of a valley glacier.
13. A sharp mountain peak created by ice action.
14. A mountain pass resulting from excessive glacial erosion.
15. A long narrow glacial lake.
16. Long snake-like ridge of glacial deposits formed as glacial meltwater flows from tunnels at the base of
the glacier
17. Dark strands of glacial debris carried in the middle parts of a valley glacier.
18. Steep, often vertical valley walls created when a glacier moves through a river valley and transforms in
into a u-shaped valley.
19. Deep cracks in ice, created when a glacier moves over uneven bedrock.