Tea	cher:	Period:	Date:	Grade:_	Your Initials:
	2012-2013	Biodiversity Asse	ssment For	m A	
1. `	You have two identi	cal bags and fill the	same amount	ASS WILLIAM	
ŧ	and type of leaves.				A LANGE TO THE RESIDENCE OF THE PARTY OF THE
You	put the identical ba	ags in two different	areas of a s	tream. After	
sev	eral weeks, one set	of leaves has almo	ost disappea	ared and the	
bag	is full of organisms	. The other set of le	eaves is still	mostly whole	
and	the bag has few or	ganisms in it.			
	-				
Wha	at are some ways th	ne two different are	as of the str	eam could be	
	erent?				AN AN ANTALON
G					
			41 1 <b>f</b>		
					eve more organisms than the
leat	packs in another ar	rea?			
2. (	Choose a species o	of organism that you	u know abou	ıt that lives in a s	tream. What species did you
(	choose?				
Des				niche.	
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3. A glacier is melting and as a result, a new stream is being formed. Initially the stream has almost
no living things in it, but over the next 10 years, more and more living things will be found in the
stream.
a. Imagine you work for the U.S. Fish and Wildlife Service and you need to predict what SPECIFIC
living things will be found in the stream in 10 years.
nving timige vin se realia in the calcain in to years.
How would you predict what organisms would be in the stream in 10 years? DON'T make a list of
organisms. Tell us how you would make your predictions. Be as detailed as you can in your answer.
organisms. Ten us now you would make your predictions. De as detailed as you can in your answer.
b. What are some interactions (relationships) with other living things that could affect if an insect
can survive and reproduce on the newly formed stream?
Pick one specific interaction that you provided and describe how that would work.
c. What are some environmental (abiotic) factors that could affect if an insect could survive and
reproduce on the newly formed stream?

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Pick one specific factor	that you provided and describe how that would work.
4. A property owner cu	its down the maple trees beside a stream and removes them.
Would taking away the	maple trees affect the bacteria in the stream? ☐ Yes ☐ Maybe ☐ No
Explain your reasoning.	•
Would taking away the	maple trees affect insects in the stream? ☐ Yes ☐ Maybe ☐ No
Explain your roadoning.	
Would taking away the	maple trees affect the algae in the stream? ☐ Yes ☐ Maybe ☐ No
Explain your reasoning.	•
	maple trees affect the fish in the stream? ☐ Yes ☐ Maybe ☐ No
Explain your reasoning.	·