AP Biology		Date		
RA	VEN CHAPTER 55 0	BUIDED NOTES: DY	NAMICS OF ECOSYS	TEMS
1. How does	the definition of ecos	ystems expand on the	e concept of the commi	unity?
2. Contrast th	e movement of energ	gy and nutrients withi	n ecosystems.	
3. Why is it es	ssential that elements	s move through bioge	ochemical cycles in the	e ecosystem?
4. For each o	f the nutrient cycles i	dentify these key com	nponents	
	f the nutrient cycles i	dentify these key com	nponents Phosphorus cycle	Water cycle
4. For each o at is the otic ervoir?				Water cycle
at is the				Water cycle

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6.	Wł	hat are the major processes that move carbon through the ecosystem?	
7.	Wi	hat is the impact of combustion on the carbon cycle?	
8.		entify the role of each of the following in the nitrogen cycle: Nitrogen fixation	
	b.	Ammonification	
	с.	Nitrification	
	d.	Denitrification	
9.		efine the following energy budget terms: Primary productivity	
	b.	Gross primary productivity	
	С.	Net primary productivity	
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15. What is secondary productivity?	
6. What happens to the size of each level in the idealize through the trophic levels?	
7. Explain what happens to the energy and biomass as it is	
8. What limits the length of a food chain?	
9. Label and explain this diagram.	