

Study Guide: Energy F+A142+A1:B+A1:E	Name: _____ Date: _____
Ecosystems	
	Directions: Use your science notebook to find all answers. <u>Provide the page # AND use W.H.Y.</u>
	(What is the answer, and explain How & Why for each answer.)
Questions & page #	Write Answers on this side
1. Explain what a food chain is...	
2. Explain the difference between a food chain & a food web.	
3. Explain what a producer is & how it functions in an ecosystem.	
4. Explain what an Energy Pyramid demonstrates?	
5. Create an energy pyramid that shows all trophic levels...label trophic levels, & amount of energy available	
6. What are abiotic factors in an ecosystem...explain & list all	
7. What do we call organisms that feed on the dead bodies of other organisms? Give 3 examples.	
8. A food chain always begins with... Explain WHY.	
9. What are the products of photosynthesis?	
10. Give an example of 3 different types of producers.	

11. What is a consumer? AND provide an example of 3 different energy roles for consumers.	
12. What is an omnivore?	
13. What is the source of energy in photosynthesis?	
14. What are organisms that only eat producers known as?	
15. Create a food web that shows the path that energy flows in an ecosystem. *use separate sheet if needed *mimimum of three food chains required	COMPLETE THIS QUESTION ON A SEPARATE SHEET OF PAPER
16. Another name for 3rd level consumers? AND why are they at top of energy pyramid?	
17. Explain why only 10% of energy is available to the next organism in a food chain.	
18. What are biotic factors in an ecosystem? AND Give 4 examples.	
19. Explain why there are only a few 3rd level consumers at the top of an energy pyramid.	
20. Create a food chain that shows all 4 consumer levels & label each.	
21. Explain the role of a decomposer in an ecosystem.	
22. Draw and label a diagram that demonstrates the photosynthesis process.	

