

Name _____ Per. ____ Date _____

Environmental Science

Chapter 5-1: Energy Flow in Ecosystems

Fill in the tables below. Refer to pg. 119 in your textbook.

	Energy source	Examples (list 3)
Producer		
Consumer		

Types of Consumers in an Ecosystem

	Energy source (what it eats)	Examples (list at least 2)
	Eats plants (producers)	
Carnivore		
		Bears, rats, some insects, pigs, raccoons, humans
	Breaks down dead organisms in an ecosystem and returns nutrients to soil, water, and air	

1. Write the equation for photosynthesis and label it.

_____ + _____ + _____ → _____ + _____

2. Write the equation for respiration and label it.

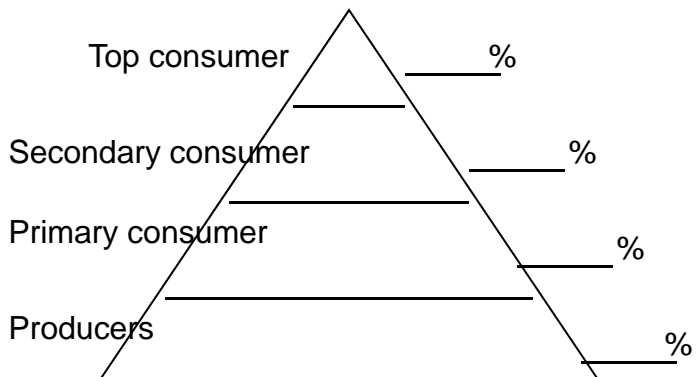
_____ + _____ → _____ + _____ + _____

3. Compare the photosynthesis and respiration equations. What do you notice? _____

4. Where does photosynthesis take place? _____

5. Where does respiration take place? _____

6. Shade in the level that has the most energy in the energy pyramid. Fill in the percent of energy transferred to each trophic level.



7. Circle the food chain and draw a box around the food web.

