

## **Energy Flow**

**Directions:** Complete the following sentences using the terms listed below.

chemosynthes is

producers

energy pyramid

consumers

photosynthesis

food web

. The	production of e	energy-rich food	molecules from	m chemicals i	s called	
		ws all the possibl				
		d a(n)				
	•	s with				2
l.		make up t	he second an	d higher step	s in a food cha	in.
5. A c	liagram that sho	ws the comparat				
a(r	n)	<del></del>			**	
6. Th	e production of e	nergy-rich sugar r	nolecules using	g light energy	is called	* 1 E
them (	ising <b>1</b> as the prod	lucer level. Place the	e number of the	step in the bla	nk at the left.	t order by numbering
7	a. hawk	8 a.	tiger 9.	a. a	algae 10.	a. marmot
	<b>b.</b> grain	b	, grass	b. s	seal	b. grass
	c. mouse	c.	. deer	<b>c.</b> d	fish	c. bear
	d. snake			d.	shrimp	
Direc	tions: Answer the	e following question	ns on the lines p	rovided.	Laura in com	mon?
11. I	n the above food	d chains, what do	) all the first-s	step organisii	is have in com	mon:
e 12	Second-step orga	inisms?	1 X	# # # # ##	81 101	ege a <sup>loc</sup>
u a				*		
12.	Explain why an	energy pyramid i	s in the shape	e of a pyrami	d.	
-		m Banii		A <sup>2</sup>	- II	(5
	2 5°	<u> </u>	-		×	
,		4		- 5 0		V 2

13. Complete the compare/contrast table.

Types of Consumers									
Type of Consumer	Type of Food								
	Only plants								
Carnivore	3.0								
	Both plants and animals								
	Dead organisms								

14. Is the following sentence	true or	false? Decomposers	retur	n rav	w materials	to the
environment.	dg ×		9	0.2	s	

- 16. Circle the letter of each sentence that is true about a food web.
  - a. Producers are at the top of the food web.
  - b. All first-level consumers are carnivores.
  - c. Second-level consumer may be carnivores or omnivores.
  - d. An organism amy play more than one role in a food web.
- 17. What does an energy pyramid show?
- 18. Why are there usually few organisms at the top of a food web?
- 19. The many overlapping food chains in an ecosystem make up a(n):
- 20. A series of events in which one organism eats another and obtains energy is called a(n):
- 21. Label the producer, the first-level and second lever consumers in the food chain.

