In your textbook, read about what ecology is and about aspects of ecological study.

Use each of the terms below just once to complete the passage.

ecology humans	biotic factors organisms	nonliving soil	environments biosphere	1
Living orga	nisms in our world ar	e connected to o	ther (1)	in a
variety of ways. The branch of biology called (2)				is the scientific study of
interactions between organisms and their (3)				, including relationships
between living and	(4)	tl	nings.	
All living th	ings on Earth can be	found in the (5)		, the portion
of Earth that supports life. It extends from high in the (6)				to the bottom
of the oceans. Many	different environme	ents can be found	in the biosphere. All	living organisms found in
an environment are	called (7)		Nonliving par	ts of an environment are
called (8)		For example, v	vhales, trees, and (9)	
are biotic factors. O	cean currents, tempe	rature, and (10)		are abiotic factors.
Answer the ques	stions below. Use	e the diagram	of a food web to	answer questions 1–7.
		*	Snake	
		Bird	Frog	
			Insect	
			Plant	
1. How many food	d chains make up th	he food web?	Plant	
	T			
2. Which organism	n is an herbivore?			
3. Which organism	n is an autotroph?			
5. Which organism is	s an omnivore?			
6. Which organisms	belong to more than	one food chain?		
7. Which organism b	pelongs to more than	one trophic level?		
8. What are decompo	osers? Where would o	decomposers appe	ear in this food web?	

9. What does a pyramid of energy show about the amount of energy available at different trophic levels of a food chain?