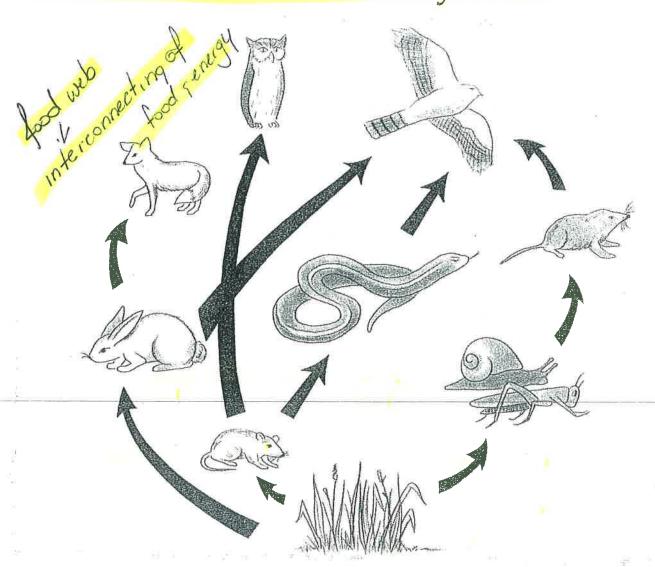
What are some other characteristics of an ecosystem?



KEY TERMS

habitat: place where an organism lives within their environment brome niche: an organism's role, or job, in its environment

producers: organisms that can make their own food 2 = PPP producers = plants =

consumers: organisms that get food by eating other organisms = 3 +400 s

* Primary Consumer Secondary Consumer eat plants cost post appear to the PC and can be

ommillare or larnivore

*Hertary Consumer 133
nonnivore * Ramivore *

From Former Mi charactezistiko oi

THE CONTROL CONTROL OF A CONTRO

If someone asked you where you live, how would you answer? The place where an organism lives is its habitat [HAB-i-tat]. A habitat is a special place. It provides all of an organism's needs, like food and air. It provides an organism with shelter. It also provides a place to reproduce. Sometimes, different species share the same habitat. For example, insects and mushrooms may share the same rotting log. Birds, squirrels, and insects might live in the same tree.

Now suppose someone asked what your role or job in life is. You would probably say that you are a student. Being a student is the job or role that you do where you live. Organisms also have jobs and roles in their communities. The job of a living thing is called its niche [NICH].

Living things may have the same habitat but they do not have the same niche. For example, tigers and deer both share a habitat in Asia. But while tigers chase and eat deer—deer eat grasses. They do not have the same role.

Although the tigers and deer in Asia have different roles, they are related by how they get their food. Each ecosystem is made up of different kinds of organisms.

Some are producers. Producers can make their own food. On land, the main producers are plants. In lakes and oceans, algae are the main producers.

Others are consumers [kun-SOO-murs]. Consumers get food by eating omnifore > eat plant other organisms. Some consumers eat only plants. Others eat meat, or other animals. And some, like you, eat both plants and animals.

Some animals feed upon dead animals. They eat animals that have died or that have been killed by other animals. For example, vultures eat dead animals. Scavengers

Bacteria break down the wastes or remains of organisms. They are decomposers [dee-kum-POHZ-ers]. Decomposers return materials from ecology the study of the relationship b/t living things and their

all living and nonliving parts of an environment population—vall members of one species that live in the same

Community all the organisms living in a certain screa Brosphere-to thin zone of the Earth that supports life.

herbivore-

animals

Cachivorcal post

characteristics of

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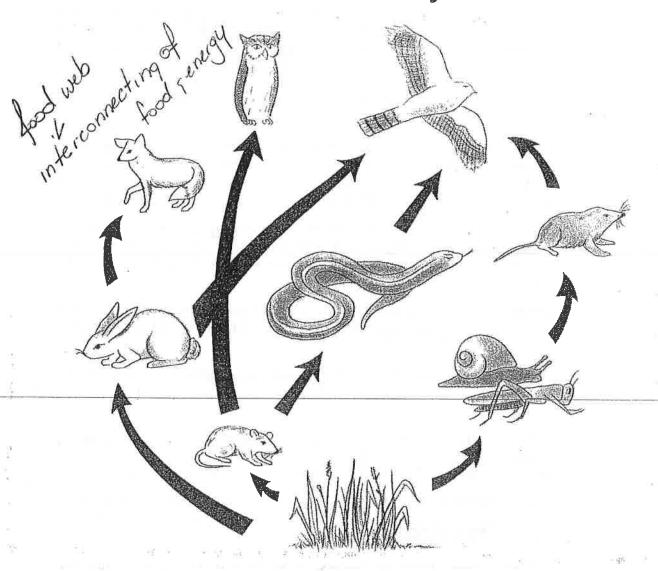
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nerbivore

Carnivorcileat 103 animal

What are some other characteristics of an ecosystem?



KEY TERMS

habitat: place where an organism lives within their environment brome niche: an organism's role, or job, in its environment producers: organisms that can make their own food B= P= P producers = plants = consumers: organisms that get food by eating other organisms = 3 types

* decomposers: organisms, that feed on dead organisms

* Primary Consumer Secondary Consumer

PC = plant consumer

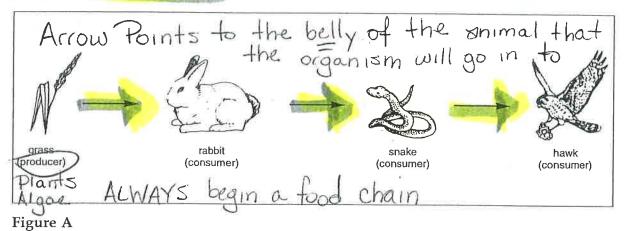
omprivore or cornivore

top consumer 133 nonnivore * rarnivore *

links make chains

Living things depend upon each other for food. Every living thing is a link in a food chain. A food chain shows the order in which living things feed upon other living things.

Look at Figure A. It shows a food chain. The arrows in the food chain show the direction that food moves along the chain.



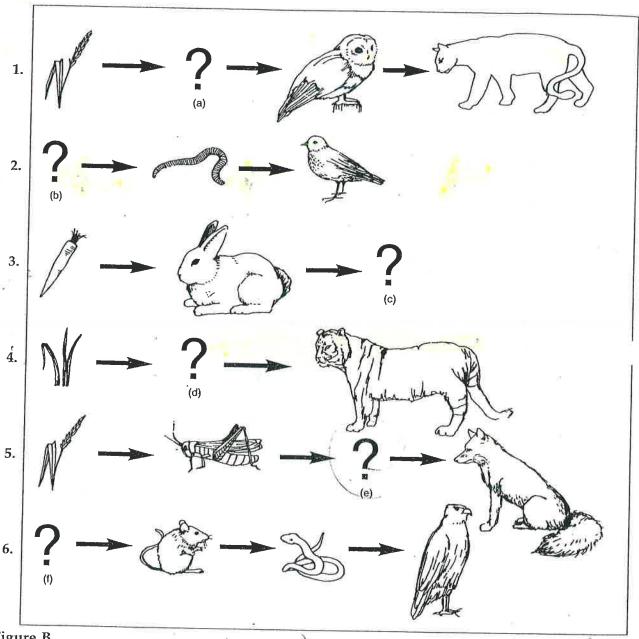
Not all organisms eat the same kinds of food. Therefore, there are many different food chains. But, all food chains begin with PRODUCERS.

WHY?

Producers are the only organisms that can make their own food, using energy from the

Sun Photosynthesi:	is the way plants/algor make their	[
Why is the sun the source of		
Plants need +	ne sun to PRODUCE, their food food chain begins with plants (algae)	(

Six food chains are shown below. One link has been left out of each chain. Identify the organism that is missing. Write your answers in the proper spaces below. Some blank spaces have more than one answer.



1. a. mosse (consumer 4. d. 907elle (consumer)

2. b. grass (product)

3. c. Shake (consumer)

6. f. grass (product)

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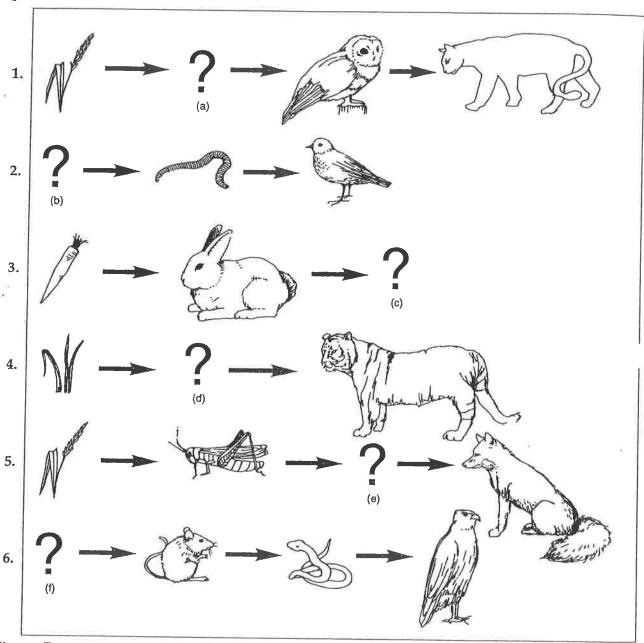


Figure B

- 1. a. _____
- 2. b. ____
- 3. c. _____
- 4. d. _____
- 5. e. _____
- 6. f. _____

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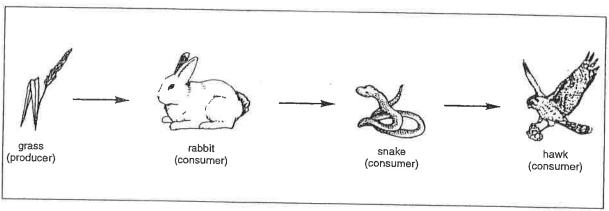


Figure A

Not all organisms eat the same kinds of food. Therefore, there are many different food chains. But, all food chains begin with $\underline{PRODUCERS}$.

WHY?

Producers are the only organisms that can make their own food, using energy from the sun.

Why is the su	ın the source	of energy in a	an ecosystem?	?	

You have just learned that food chains show food relationships. However, in nature, many food chains combine and overlap. They form a food web. A food web is a more complete way of showing food relationships. A food web shows how a number of food chains are related. A food WEB 13 the transfer of food energy from one organism to the next that interconnects

Look at the food web in Figure C. Then answer the questions.

1.	What is the diagram shown called?
	tood web

2. What does the diagram show?

now a number of face?

are related face?

3. What does a rabbit eat? plant

- 4. What organisms do wolves eat?
- 5. Which organism is the producer?



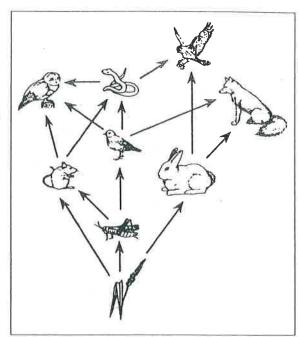
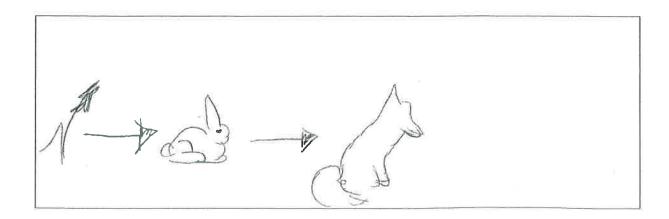


Figure C

In the space provided, draw one of the food chains shown in the diagram above.



Classify each description as a habitat or niche by checking the correct column.

SENSONE SHEETS

Hal	oitat and Niche	People.	\$
	Description	Habitat	Niche
1.	Eaten by fish		
2.	Under rocks		
3.	Hole in a tree	/	
4.	Eat mice	,	
5.	Nest on a tree branch	/	
6.	Eat seeds and fruit		/
7.	Log	/	
8.	Jungle	/	
9.	Shared by organisms		1
10.	Not shared by organisms		

SAYCHING:

Match each term in Column A with its description in Column B. Write the correct letter in the space provided.

Column A

- 1. plants
- 2. producer
- 3. decomposer
- 4. consumer
- 5. vulture Scavenger
- 6. algae

Column B

- a) organism that makes its own food
- b) animal that feeds on other animals
- c) bird that eats dead animals
- d) organism that breaks down the wastes or remains of other organisms
- e) main producers on land
- f) main producers in lakes and oceans

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8.	Jungle	200	
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20	175	COLUMN THE	B. Latte
12 24	1 14		1.31

Match each term in Column A with its description in Column B. Write the correct letter in the space provided.

	Column A	Column B
	1. plants	a) organism that makes its own food
	2. producer	b) animal that feeds on other animals
<u></u> (3. decomposer	c) bird that eats dead animals
	4. consumer	 d) organism that breaks down the wastes or remains of other organisms
	5. vulture	e) main producers on land
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Look at the food web in Figure C. Then answer the questions.

What is the diagram shown called?
 What does the diagram show?
 What does a rabbit eat?
 What organisms do wolves eat?
 Which organism is the producer?

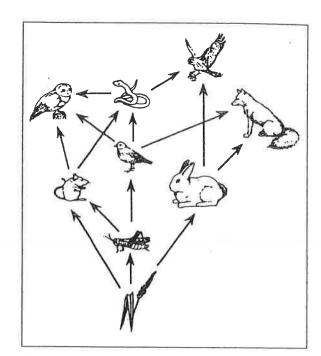


Figure C

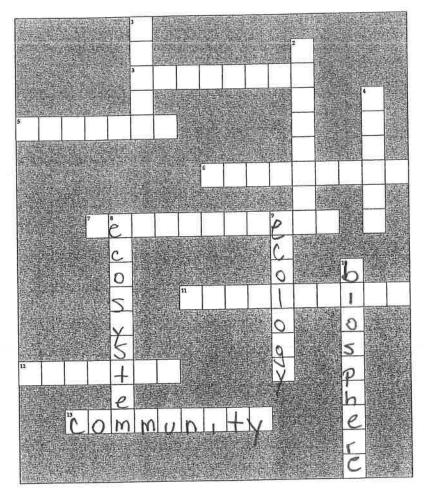
In the space provided, draw one of the food chains shown in the diagram above.

Classify each organism listed in the table as a producer, consumer, or decomposer. Place a check mark in the correct column.

	Organism	Producer	Consumer	Decomposer
1.	Seaweed			
2.	Duck			
3.	Hawk			
4.	Ants			
5.	Bacteria			
6.	People			
7.	Rabbits			
8.	Grass			
9.	Apple Tree			1
10.	Bees			
11.	Earthworm			
12.	Beetle			

	LL IN THE BLANK			
Cor spa	nplete each statement using a ter ces provided.	m or terms from the list t	elow. Write your answers in	1 the
	niche sun	webs soil	food	
1.	A producer can make its owr	١,		
2.	The is the	e source of energy for an	ecosystem.	
3.	Food chains combine to form	food	= st	
4.	The role of an organism is cal	lled its		
5.	A decomposer returns materia	als from dead organisms	to the	

Use the clues to complete the crossword puzzle.



CLUES

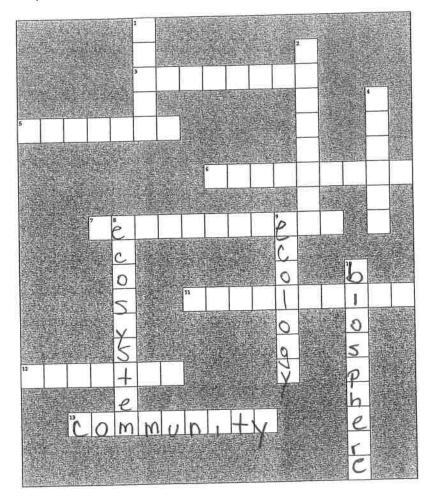
ACROSS

- 3. organism that gets food by eating other organisms
- 5. combining and overlapping of many food chains
- 6. model of the flow of energy through an ecosystem
- 7. organism that feeds on dead organisms
- 11. all the members of one species that live in the same area
- 12. place where an organism lives
- 13. all the organisms living in a certain area

DOWN

- 1. an organism's role in its environment
- 2. organism that makes its own food
- 4. not dead
- 8. all the living and nonliving parts of an environment
- 9. study of the relationship between living things and their environment
- 10. thin zone of the earth that supports all life

Use the clues to complete the crossword puzzle.



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LUKATAN MULAN TEMPA

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3.	Hawk			
4.	Ants			
5.	Bacteria			
6.	People			
7	Rabbits	-		
8.	Grass			
9.	Apple Tree			
10.	Bees			
11.	Earthworm			
12.	Beetle			

FILL IN THE READY	W. 7.	Y.Y.	TRI	THE	72 F	4 877
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niche

Complete each statement	using a	term	or	terms	from	the	list	below.	Write	1/01/12	anemore	1111	+140
spaces provided.	Ü				J		,	001000.	* * * * * * * * * * * * * * * * * * * *	your	unswers	LTL	ine

webs

	niche sun	webs soil	food
1.	A producer can make its own	·	
	The is the source of energy for an ecosystem.		
3.	Food chains combine to form food		
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