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Name	Ch	ン		Class		Date	
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Skills Worksheet

Concept Review

MATCHING

In the space provided, write the letter of the term or phrase that best matches the description.

- 1. two types of consumers 2. a diagram showing the many feeding relationships that are in an ecosystem 3. the process in which energy from the sun is used by plants to make sugar molecules 4. illustrates the loss of energy from one trophic level to the next 5. organisms that get their energy by eating other organisms 6. stored carbon from the remains of plants and animals that died millions of years ago 7. organisms that make their own food 8. change that occurs on an abandoned farm 9. a part of the carbon cycle 10. results from excessive use of fertilizers 11. organisms that transform atmospheric nitrogen into usable nitrogen compounds 12. part of the nitrogen cycle
- a. photosynthesis
- b. rabbit and coyote
- c. fossil fuels
- d. producers
- e. food web
- f. consumers
- g. atmospheric CO₂
- h. energy pyramid
- i. algal bloom
- j. atmospheric N₂
- k. food chain
- I. old-field succession
- m. nitrogen-fixing bacteria

13. transfer of energy from one organism

to another

Name	Date
Concept Review continued	
MULTIPLE CHOICE	
· '	of the term or phrase that best completes
each statement or best answers each q	
14. What are the first organism	s 19. Which of the following is an
to colonize any newly avail-	· · · · · · · · · · · · · · · · · · ·
able area called?	a. cow
a. climax species	b. lion
b. ferns	c. bear
c. pioneer species	d. grass
d. mosses	20 WILL 611 CH CH
15 Which of the following is a	20. Which of the following is a
15. Which of the following is a	producer? a. oak tree
producer that breaks down rock?	•
	b. raccoon c. cockroach
a. pioneer producerb. fungal species	d. human
c. algae	u. numan
d. lichen	21. Which of the following is a
W. Hellett	process in the cell whereby
16. Humans are affecting the bal	- glucose and oxygen produce
ance of the carbon cycle by	carbon dioxide, water, and
a. burning fossil fuels.	energy?
b. using carbonates at an	a. photosynthesis
alarming rate.	b. cellular respiration
c. using fertilizers.	c. synthesis
d. replanting the rain	d. decomposition
forests.	22. Which of the following
17. What is a pattern of change	
that occurs on a surface	at the top of an energy
where an ecosystem has	pyramid?
previously existed?	a. alga
a. primary succession	b. krill
b. secondary succession	c. leopard seal
c. tertiary succession	d. killer whale
d. climax community	
50 X71 1 1 1	23. Humans usually get the
18. What do deep-ocean bacte-	phosphorus that their
ria use to make their food?	bodies need from
a. the sun b. bydrogen sulfide	a. eating plants and animals
b. hydrogen sulfide c. carbon dioxide	that contain phosphorus. b. mining.
d. sugar molecules	c. food additives.
m. sugai morecures	d. drinking water.
	es amains want.

ıme <u>5</u>	Class_	Date
Assessm		
Quiz		·
action	n: Energy Flow in Ecosyster	ns
ATCHIN		
	letter of the term or phrase that best	matches the description.
	. an organism that makes its own foo	
	·	h decomposer
2	the process of breaking down food	c. producer
	yield energy	d. consumer
3	5. organisms that get their energy by	e. photosynthesis
	eating other organisms	f. food web
	4. the process in which plants make	1. 1000 Web
	sugar molecules from sunlight	
	5. consumers that get their food by breaking down dead organisms	
	6. the many feeding relationships posin an ecosystem	sible
ALUTID:	,	
n the sp	LE CHOICE pace provided, write the letter of the to tement or best answers each question	erm or phrase that best completes n.
n the sp	pace provided, write the letter of the t	9. What is the ultimate source
n the sp	 pace provided, write the letter of the totement or best answers each question 7. What term is used to describe a linear sequence 	9. What is the ultimate source of energy for almost all
n the sp	 7. What term is used to describe a linear sequence in which energy is trans- 	9. What is the ultimate source of energy for almost all organisms except those liv-
n the sp	 Pace provided, write the letter of the totement or best answers each question 7. What term is used to describe a linear sequence in which energy is transferred from one organism to 	of energy for almost all organisms except those living deep in the ocean near
n the sp	 7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? 	of energy for almost all organisms except those living deep in the ocean near thermal vent?
n the sp	7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web	of energy for almost all organisms except those living deep in the ocean near
n the sp	 7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web b. food chain 	of energy for almost all organisms except those living deep in the ocean near thermal vent? a. producers
n the sp	7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web	of energy for almost all organisms except those living deep in the ocean near thermal vent? a. producers b. consumers
n the sp	7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web b. food chain c. trophic level d. energy pyramid	of energy for almost all organisms except those living deep in the ocean near thermal vent? a. producers b. consumers c. the sun d. bacteria
n the sp	7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web b. food chain c. trophic level d. energy pyramid 8. Which organism is likely to	of energy for almost all organisms except those living deep in the ocean near thermal vent? a. producers b. consumers c. the sun d. bacteria
n the sp	 7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web b. food chain c. trophic level d. energy pyramid 8. Which organism is likely to be in the bottom trophic 	 9. What is the ultimate source of energy for almost all organisms except those living deep in the ocean near thermal vent? a. producers b. consumers c. the sun d. bacteria 10. What are organisms that each of the sun
n the sp	7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web b. food chain c. trophic level d. energy pyramid 8. Which organism is likely to be in the bottom trophic level in a food chain?	 9. What is the ultimate source of energy for almost all organisms except those living deep in the ocean near thermal vent? a. producers b. consumers c. the sun d. bacteria 10. What are organisms that eaboth plants and animals called? a. herbivores
n the sp	7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web b. food chain c. trophic level d. energy pyramid 8. Which organism is likely to be in the bottom trophic level in a food chain? a. leopard seal	 9. What is the ultimate source of energy for almost all organisms except those living deep in the ocean near thermal vent? a. producers b. consumers c. the sun d. bacteria 10. What are organisms that eaboth plants and animals called? a. herbivores b. carnivores
n the sp	7. What term is used to describe a linear sequence in which energy is transferred from one organism to the next? a. food web b. food chain c. trophic level d. energy pyramid 8. Which organism is likely to be in the bottom trophic level in a food chain?	 9. What is the ultimate source of energy for almost all organisms except those living deep in the ocean near athermal vent? a. producers b. consumers c. the sun d. bacteria 10. What are organisms that eaboth plants and animals called? a. herbivores

Name 5-2	Class	Date
Assessment		
Quiz		
Section: The Cycling of MATCHING Write the letter of the term or phra		atches the description.
 the process in which no cycled between the atropolar bacteria, and other orgethe environment to orgethen back to the environment to cycled between the atropolar services. 	mosphere, ganisms phorus from anisms and onment arbon is nosphere,	 a. carbon cycle b. increased atmospheric CO₂ c. phosphorus cycle d. algal bloom e. atmospheric nitrogen f. decomposers g. nitrogen-fixing bacteria h. nitrogen cycle
land, water, and organisms that can trans nitrogen in the atmosphical compounds contain that can be used by othe 5. breaks down decaying of the street of t	sform unusable ere into chem- ing nitrogen er organisms	
6. part of the nitrogen cyc		
7. evidence of excessive us 8. the result of burning for	se of fertilizer	
MULTIPLE CHOICE In the space provided, write the let		or phrase that best completes
a. limestoneb. fossil fuels	s one of the larg c. d. is not part of th	gest carbon reservoirs on Earth? Amazon rain forest Atlantic Ocean ne nitrogen cycle?
a. nitrogen gas in spaceb. nitrogen in the atmostc. nitrogen compoundsd. nitrogen compounds	sphere in animal wast	e

L 3	
Name 5 7 Class	Date
Assessment	
Quiz	
Quiz	
Section: How Ecosystems Change	
Write the letter of the term or phrase that best	matches the description.
1. a common type of succession that	
on a surface where an ecosystem h	
viously existed	c. secondary succession
2. the first organisms to colonize any	
available area and begin the proces	of of
ecological succession	e. chinax continuity
	f. old-field succession
3. a final and stable community	
4. a type of succession that occurs on face where no ecosystem existed b	
5. a type of succession that occurs on doned farmland	aban-
6. a gradual process of change and replement of the types of species in a con	
MULTIPLE CHOICE	
	•
n the space provided, write the letter of the te	
n the space provided, write the letter of the teach statement or best answers each question 7. What type of vegetation	9. What type of succession
n the space provided, write the letter of the teach statement or best answers each question 7. What type of vegetation would you expect to find on	9. What type of succession occurs after a natural
n the space provided, write the letter of the teach statement or best answers each question 7. What type of vegetation would you expect to find on an abandoned farm that has	9. What type of succession occurs after a natural process such as a volcanic
n the space provided, write the letter of the teach statement or best answers each question 7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for	9. What type of succession occurs after a natural process such as a volcanic eruption or flood?
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years?	9. What type of succession occurs after a natural process such as a volcanic eruption or flood?a. primary succession
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses	9. What type of succession occurs after a natural process such as a volcanic eruption or flood?
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses b. shrubs	 9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses	 9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession c. old-field succession d. climax community
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses b. shrubs c. young pine trees d. tall, mature oak trees	9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession c. old-field succession d. climax community 10. The eruption of Mount St.
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses b. shrubs c. young pine trees d. tall, mature oak trees	9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession c. old-field succession d. climax community 10. The eruption of Mount St. Helens was followed by
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses b. shrubs c. young pine trees d. tall, mature oak trees 8. What type of vegetation would you expect to find on	9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession c. old-field succession d. climax community 10. The eruption of Mount St. Helens was followed by a. primary succession.
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses b. shrubs c. young pine trees d. tall, mature oak trees 8. What type of vegetation would you expect to find on newly formed volcanic	9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession c. old-field succession d. climax community 10. The eruption of Mount St. Helens was followed by a. primary succession. b. secondary succession.
7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses b. shrubs c. young pine trees d. tall, mature oak trees 8. What type of vegetation would you expect to find on newly formed volcanic islands?	9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession c. old-field succession d. climax community 10. The eruption of Mount St. Helens was followed by a. primary succession. b. secondary succession. c. old-field succession.
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In the space provided, write the letter of the teleach statement or best answers each question 7. What type of vegetation would you expect to find on an abandoned farm that has remained undisturbed for 150 years? a. short grasses b. shrubs c. young pine trees d. tall, mature oak trees 8. What type of vegetation would you expect to find on newly formed volcanic islands? a. lichens b. short grasses	9. What type of succession occurs after a natural process such as a volcanic eruption or flood? a. primary succession b. secondary succession c. old-field succession d. climax community 10. The eruption of Mount St. Helens was followed by a. primary succession. b. secondary succession. c. old-field succession.
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