Teacher	Grade	Period	Date	Υοι	ır initials _		
ECOSYSTEMS UNIT	PRF. AND	POST-TEST	,				
ECOSTSTEMS ONTO	I KE AND	1051 1251			Lesson 1,	Activity	1
1. Think about what migh	nt happen to	carbon atoms	and to ene	rgy in a fore			•
each of the following path				3 7			
Carbon atoms could lea	eve the fores	t after they ha	ave been us	ed by	Possible	Impos	sible
plants or animals.							
After carbon atoms hav				y could be	Possible	Imposs	sible
recycled and used agai							
Energy could leave the	forest after it	has been us	ed by plants	s or	Possible	Impos	sible
animals.	rood by plants	o or onimalo i	t could be w	201200	Dessible	Impos	sible
After energy has been u and used again by plan			t could be re	ecyclea	Possible	Impos	sible
and used again by plan	its of allillar	3					
Explain your thinking. Ho	ow are the po	ssible pathwa	avs for carb	on atoms a	nd for ener	gy alike a	and
different?	ow are the pe	oooloic patitwe	ayo lor carb	on atomo a	na ioi ciici	gy anice c	iiiu
<u></u>							
0 Vous much a man	J	fata and atta					
				s that conta	in many ca	rbon ator	ms.
Think about where those	carbon atom	is came from.				rbon ator	ns.
Which of the following sta	carbon atom atements is tr	is came from. rue? Circle the	e letter of th			rbon ator	ms.
Think about where those Which of the following state. ALL of the carbon ator	e carbon atom atements is tr ms came into	is came from. rue? Circle the your body in	e letter of the food, OR	e correct ar	nswer.		ns.
Think about where those Which of the following state. ALL of the carbon ator b. SOME of the carbon a	e carbon atom atements is tr ms came into	is came from. rue? Circle the your body in	e letter of the food, OR	e correct ar	nswer.		ms.
Think about where those Which of the following standard a. ALL of the carbon ator b. SOME of the carbon a	e carbon atom atements is tr ms came into	is came from. rue? Circle the your body in	e letter of the food, OR	e correct ar	nswer.		ms.
Think about where those Which of the following standard a. ALL of the carbon ator b. SOME of the carbon a divided.	e carbon atom atements is tr ms came into atoms were m	is came from. rue? Circle the your body in lade by your r	e letter of th food, OR muscles whe	e correct ar	nswer.	rew and	ms.
Think about where those Which of the following state a. ALL of the carbon atom b. SOME of the carbon a divided. Circle the best choice to	e carbon atom atements is tr ms came into atoms were m complete eac	is came from. rue? Circle the your body in lade by your r ch of the state	e letter of the food, OR muscles who	e correct ar	nswer.	rew and	ms.
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Teacher	Grade	_ Period	Date	Your initials
3. In a forest ecosystem in the summer . The				f carbon dioxide in the air to change r (circle one):
a. Would increase				. (66.6 66).
b. Would decrease				
c. Would stay about t	he same			
Explain your answer. summer?	What would caus	e the amou	ınt of CO ₂ ir	n the forest air to change during the
4. In a forest ecosystem in the winter. The ar				f carbon dioxide in the air to change circle one):
a. Would increase			,	,
b. Would decrease	h			
c. Would stay about t	ne same			
Explain your answer. winter?	What would caus	e the amou	ınt of CO ₂ ir	n the forest air to change during the
are white-tailed deer answer(s) below for va. On average,	and wolves. The is	sland is left the average deer than	undisturbed ge populatio wolves.	. The primary mammal populations d for many years. Select the best ons of the animals over time.
	the populations of			equal.
d. The populati	ons will fluctuate,			deer, sometimes more wolves
e. None of the				
Please explain your a	inswer to what hap	opens to the	e population	ns of deer and wolves.

Teache	r		Grade Per	iod Date	Yo	ur initials
6. Here	is a sin	nple food chain	with one plant	, one animal, and	l some deco	mposers:
	_	ten by		Dies and is		Decomposing
Grass			Rabbit	decomposed		bacteria
Answer	_ true or	false to the follo	owing guestion	by		
				ame from the gras	ss without ch	nanging.
True F				from the grass wi		
True F	alse	The energy in th	ne rabbit came	from the grass w	ithout chanر	ging.
True F	alse 7	The bacteria rec	ycle molecule	s from the dead	rabbit back t	to the grass.
True F	alse 7	The bacteria rec	ycle atoms fro	m the dead rabb	it back to the	e grass.
True F	alse 7	The bacteria rec	ycle energy fr	om the dead rabb	oit back to th	ne grass.
Explain part of?		nswers: How do	molecules m	ove through the e	ecosystem th	hat this food chain is
Evnlain	vour a	newere: How do	atoms move	through the ecos	vstem that ti	his food chain is part of?
Lxpiairi	your ar	nswers. How do	atoms move	inough the ecos	ystern triat ti	nis 1000 chair is part or:
Explain of?	your a	nswers: How do	es energy mo	ve through the ed	cosystem tha	at this food chain is part
		se true-false que				
True	False	Carbon is a ki				
True	False		nd of molecule).		
True	False	There is carbo				
True	False		on in pure wate	er.		
True	False	There is carbo	on in the soil.			