Cycles worksheet1. Which of the following processes does not cycle carbon dioxide (CO₂) back

C) Forest fires

D) Volcanic eruptions

into the atmosphere?

A) Photosynthesis

B) Decomposition of waste

	2	. Which of the following gases d A) CO ₂ B) NO ₂	o not cont	tribute to the greenl C) CH4	nouse effect? D)SO ₂		
lishosph	 R U S Which 	Five human activities are listed aising cattle sing a natural gas fireplace wimming in a lake h of the above activities could co	2. D 4. W ntribute t	riving a gasoline por Valking o the greenhouse eft C) 2 and 3 only			
	 4. Which of the following is not a consequence of the warming of the permafrost? A) Landslides B) Unstable infrastructure (buildings and roads) C) A decrease in the amount of vegetation D) The release of greenhouse gases 						
	hers Nez-	In the picture below, label the substance or area that represents the biosphere, hydrosphere and atmosphere. biosphere hydrosphere hydr					
	6	What process matches each of a) the process by which ba it into ammonia the process by which ba c) the process by which ba	cteria tak	e atmospheric nitro		eation	
	7.	The <i>Azotobacter</i> bacterium live bacterium that needs oxygen at the ability to convert atmosphenitrogenase. What is the name	s in soil ai id feeds o ric nitroge	nd water. It is an ova n organic matter. Az en into ammonia, us	al-shaped cotobacter has		
		Nitrogen fi	ratio	20			

- forest fires - Cars
11. Name 2 processes which remove carbon from the biosphere.
-photosynthesis - forming 6 CO3
700.00
12. Give 2 negative consequences to deforestation and how it affects the carbon
cycle.
1) Less photosynthesis occurring
2) More CO2 = 1 global warning
13. The carbon cycle describes the movement of carbon throughout the
biosphere. Some human activities can have an impact on the carbon cycle through either the production of excess carbon dioxide gas, CO2, or through
decrease in the production of carbon dioxide. Which of the following human
activities will increase the amount of CO ₂ in the atmosphere? Explain your
answer.
a) A tree-planting initiative in the Boreal forest.b) Deforestation by a logging company
, 00 0 1 1
a) planting trees well = more photosynthesis
1. Com atmosphere
which were your alabel warning
which will decrease global warning.
· · · · · · · · · · · · · · · · · · ·
) will I photosynthesis o T global
warning

8. What is the role of bacteria to the nitrogen cycle?

Respiration

Key to convertis N2 to usable forms.

9. How have human activities contributed to disrupting the carbon cycle?

Digging for forsil fuels releasing COz. Excess CH4 fox from cous.

10. Carbon dioxide (CO₂) is an important source of carbon for living organisms. Name two processes through which carbon can enter the biosphere?

- Volcanoes