Name:	
Date:	6. Which of the following is a step in the nitrogen cycle where bacteria convert ammonia into nitrites and then
Nitrogen Cycle Science Worksheet	into nitrates?
TOPIC: THE NITROGEN CYCLE	A) Assimilation
Instructions: Choose the best answer for each question.	B) Denitrification C) Nitrification
1. What is the main function of the nitrogen cycle in ecosystems?	D) Nitrogen fixation
A) To produce oxygen for organisms	
B) Convert nitrogen into usable forms for plants and animals	
C) To remove carbon dioxide from the air D) To create food for herbivores	7. What is the process called when nitrates in the soil are converted back into nitrogen gas and released into the atmosphere?
	A) Denitrification
	B) Ammonification
2. In which form is nitrogen most abundant in the atmosphere? A) Nitrites (NO ₂) B) Nitrates (NO ₃)	C) Nitrogen fixation D) Respiration
C) Ammonia (NH ₃)	
3. What process allows nitrogen gas (N ₂) from the	8. How do animals primarily get the nitrogen?A) By breathing in nitrogen gas from the atmosphereB) By consuming plants or other animalsC) By absorbing nitrogen through their skinD) By converting sunlight into nitrogen compounds
atmosphere to be converted into ammonia (NH ₃) by	
certain bacteria?	
A) Photosynthesis B) Nitrogen fixation	9. The decomposers play in the nitrogen cycle?
C) Respiration D) Nitrification	A) They convert nitrogen gas into usable forms B) Break down dead plants and animals, returning nitroger to the soil C) They produce nitrogen gas during photosynthesis D) They absorb nitrogen from the soil
4. Which type of organisms are primarily responsible for	
nitrogen fixation?	
A) Plants	
B) Fungi	10. Excessive use of fertilizers can disrupt the nitrogen
C) Bacteria	cycle by causing which environmental issues?
D) Insects	A) Air pollution
•	B) Ocean acidification
	C) Eutrophication in water bodiesD) Ozone layer depletion

5. What is the process by which plants absorb nitrogen

from the soil?
A) Nitrogen fixation
B) Assimilation
C) Denitrification
D) Ammonification

Answer Key:

- 1. B
- 2. D
- 3. B
- 4. C
- 5. B
- 6. C
- 7. A
- 8. B
- 9. B
- 10. C