

## Nitrogen Cycle

Atmosphere	78%	ammonia	proteins	denitrifying
Nitrate	nitrogen-fixing	plants	animals	waste plants

1. Our atmosphere is \_\_\_\_\_ nitrogen gas.
2. Animals and plants cannot directly use all the nitrogen found in our \_\_\_\_\_.
3. Only special bacteria can directly use nitrogen in our atmosphere and “fix” it so other organisms can benefit. These bacteria are called \_\_\_\_\_-\_\_\_\_\_ bacteria.
4. Higher organisms use nitrogen to make their \_\_\_\_\_.
5. Animal waste decay by the action of bacteria which create \_\_\_\_\_ and \_\_\_\_\_ products rich in nitrogen, and useful for plants to use again.
6. \_\_\_\_\_ bacteria in the soil can break down the ammonia into the gaseous form of nitrogen, which is not available for use by plants or animals.
7. In another part of the cycle, animals eat \_\_\_\_\_ containing nitrogen, which is again returned to the soil by animal \_\_\_\_\_ or decaying \_\_\_\_\_ and \_\_\_\_\_.
8. Draw a **diagram** of the Nitrogen cycle using the words in the text box.