



# The Nitrogen Cycle Game

## Location Cards



**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads: 1 or 2**

Lightning strikes! Nitrogen gas is made into a solid and travels to the **soil!**

**If your die reads: 3**

Blue-green algae and bacteria change you into a solid, bringing you to the **soil!**

**If your die reads: 4**

Bean plants extract you from the air and bring you to the **soil!**

**If your die reads: 5 or 6**

Some nitrogen can get into the water in clouds and then fall as **rain!**



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**If your die reads: 1 or 2**

You are just the sort of nitrogen that plants need to live. You are now within a live plant!

**If your die reads: 3 or 4**

You travel through the rivers and streams to the ocean!

**If your die reads: 5 or 6**

You percolate deep underground in the groundwater!



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads: 1**

You fall into a lake or stream  
so now you are part of  
surface water.

**If your die reads: 2 or 3**

You fall on the land and  
become part of the soil!

**If your die reads: 4**

You percolate deep  
underground in the  
groundwater!

**If your die reads: 5 or 6**

You rain into the ocean!



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads:  
Odd numbers (1, 3, or 5)**

The groundwater you are dissolved within travels and you become part of the **surface water!**

**If your die reads:  
Even numbers (2, 4, or 6)**

The groundwater you are dissolved within travels and you become part of the **ocean!**



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads: 1 or 2**

You dissolve and wash into the surface water!

**If your die reads: 3 or 4**

You become part of the soil!

**If your die reads: 5 or 6**

You are just the sort of nitrogen that plants need to live. You are now within a live plant!



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads: 1**

You dissolve and wash into the **groundwater!**

**If your die reads: 2**

You dissolve and wash into the **surface water!**

**If your die reads: 3 or 4**

You are just the sort of nitrogen that plants need to live. You are now within a **live plant!**

**If your die reads: 5 or 6**

Bacteria have transformed you into nitrogen gas and you are now part of the **atmosphere!**



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads: 1**

Look out! Water is on the move! You have washed into the **groundwater!**

**If your die reads: 2 or 3**

You are just the sort of nitrogen that plants need to live. You are now within a **live plant!**

**If your die reads: 4, 5, or 6**

Bacteria have transformed you into nitrogen gas and you are now part of the **atmosphere!**



# The Nitrogen Cycle Game

## Location Cards



**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads:  
Odd numbers (1, 3, or 5)**

The animal that you are within has died.  
Go to **dead plants and animals**.

**If your die reads:  
Even numbers (2, 4, or 6)**

Congratulations! The animal that you were within has excreted and you are in its waste. Go to **animal waste!**



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads: 1 or 2**

Look out before someone steps in you!  
Now you are decomposing in the soil!

**If your die reads: 3 or 4**

A farm supply company has picked you  
up and made you into **fertilizer!**

**If your die reads: 5 or 6**

What's that in the water? You have  
dissolved into **surface water!**



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads: 1 or 2**

You are decomposed and become part of the **soil!**

**If your die reads: 3**

You are decomposed and become dissolved in **surface water!**

**If your die reads: 4**

You are decomposed and become dissolved in the **ocean!**

**If your die reads: 5 or 6**

Forest Fire! The wood you were within is burnt and you have been released into the **atmosphere.**



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**Put a stamp on your passport and then roll the die to see where you will travel next!**

**If your die reads:  
Odd numbers (1, 3, or 5)**

The plant that you are within has died.  
Go to **dead plants and animals**.

**If your die reads:  
Even numbers (2, 4, or 6)**

An animal has eaten the plant that you are within!  
Go to **live animals!**