**The Nitrogen Cycle**

Research Assignment

Directions: Answer each of the following questions in your own words. Use information from the resources provided to answer the questions, but explain the answers in your own way. Be sure to provide examples to support your answers. Also, use complete sentences, capitalization, punctuation, correct spelling, and appropriate grammar.

As you work, find and insert images to support your answers. Remember to include resources (web addresses) for your images.

**Resource 1**

<https://www.brainpop.com/science/earthsystem/nitrogencycle/>

1. Why do we need nitrogen?

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2. What happens to nitrogen from the atmosphere?

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3. What happens after nitrogen hits the soil?

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4. What is nitrogen fixation?

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5. What is nitrification?

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6. What do plants do with the compounds?

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7. How do animals get nitrogen?

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8. What is ammonification?

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9. What is denitrification?

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10. How are humans impacting the nitrogen cycle? What impact is this having?

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**Resource 2**

<https://www.ducksters.com/science/ecosystems/nitrogen_cycle.php>

11. What different forms does nitrogen take on Earth?

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12. Summarize each step of the nitrogen cycle.

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| **Step** | **Summary** |
| Fixation |  |
| Nitrification |  |
| Assimilation |  |
| Ammonification |  |
| Denitrification |  |

13. Why is nitrogen important to life?

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