**The Carbon 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/carboncycle/>

1. What is carbon and why is it important?

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2. What role do animals play in the carbon cycle?

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3. What role do plants play in the carbon cycle?

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4. What are carbon sinks, what do they do, and what are examples of carbon sinks?

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5. How does carbon get into the Earth’s crust, and what happens to it there?

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6. What has been throwing the carbon cycle off lately? What impact is this having?

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**Resource 2**

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

7. What is the carbon cycle?

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8. How is carbon taken out of the atmosphere?

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9. How is carbon moved into the atmosphere?

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10. Summarize the carbon cycle balance.

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11. How are people altering the carbon cycle?

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Taking it deeper: Is it good or bad that humans are altering the carbon cycle? Why?

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**Resource 3**

<https://biologywise.com/the-carbon-cycle-for-kids>

12. Why is carbon significant (important)?

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