**The Rock 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**

Brainpop: <https://www.brainpop.com/science/earthsystem/rockcycle/>

Brainpop: <https://www.brainpop.com/science/earthsystem/typesofrocks/>

1. What are the three different types of rock, how are they formed, and what are some examples?

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|  | **Name** | **How it’s formed** | **Examples** |
| **Type 1** |  |  |  |
| **Type 2** |  |  |  |
| **Type 3** |  |  |  |

2. Explain what the rock cycle is. Be sure to include how rocks transform from one type to another.

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**Resource 2**

DK FindOut! <https://www.dkfindout.com/us/earth/rock-cycle/>

3. What is the rock cycle?

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4. Summarize each section of the rock cycle diagram.

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| **Name** | **Summary** |
| Heating |  |
| Intense Heating |  |
| Volcanic |  |
| Cycle Begins Again |  |
| Weathering |  |
| Erosion |  |
| Carrying |  |
| Settling |  |
| Compacting |  |

5. Click on “Rock Cycle In Motion”. Use the orange arrows to navigate through the rock cycle. How does the rock cycle work?

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**Resource 3**

Kids Love Rocks: <https://kidsloverocks.com/types-of-rock/>

6. How are igneous rocks formed?

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7. What are the characteristics of igneous rocks?

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8. How are sedimentary rocks formed?

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9. What are the characteristics of sedimentary rocks?

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10. How are metamorphic rocks formed?

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11. What are the characteristics of metamorphic rocks?

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