**Weathering**

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/weather/weathering/>

1. What is weathering?

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2. What is mechanical weathering and what are some examples?

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3. Describe two types of mechanical weathering.

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| --- | --- |
| **Type** | **Description** |
| Plant |  |
| Ice |  |

4. What is chemical weathering and what are some examples?

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**Resource 2**

<http://www.geography4kids.com/files/land_weathering.html>

5. What is mechanical weathering and where does it usually happen?

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6. How does temperature cause mechanical weathering?

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7. How do plants and animals cause mechanical weathering?

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8. What is freeze-thaw/frost wedging?

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9. What is salt wedging?

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10. What is chemical weathering?

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11. Explain the types of reactions that cause chemical weathering.

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| **Type** | **Explanation** |
| Oxidation |  |
| Hydrolysis |  |
| Acidification |  |

12. What is biological weathering?

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13. What are lichens and what do they do? Where are they found and why?

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**Resource 3**

<https://sciencestruck.com/real-life-examples-of-weathering>

14. What are the effects of weathering?

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15. Give examples of each type of weathering.

Mechanical Weathering

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| --- | --- |
| **Type** | **Example** |
| Frost Wedging |  |
| Water Bodies |  |
| Temperature-Pressure |  |

Chemical Weathering

|  |  |
| --- | --- |
| **Type** | **Example** |
| Oxidation |  |
| Carbonation |  |
| Sinkhole |  |
| Cave |  |
| Stalactite |  |
| Stalagmite |  |

Biological Weathering

|  |  |
| --- | --- |
| **Type** | **Example** |
| Decay |  |
| Plants |  |
| Lichens |  |
| Wind |  |
| Around the house |  |
| Water |  |