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| **Observing Mechanical and Chemical Weathering** | **Answers**  |
| 1. What is weathering?
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| 1. What is sediment? (Click on the blue word and go to Details)
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| 1. What is erosion? (Click on the blue word and go to Details)
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| 1. What are 3 things that all contribute to the gradual process of weathering?
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| **How Do Mechanical and Chemical Weathering Change Earth’s Surface?**  |  |
| 1. What is mechanical (or physical) weathering?
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| 1. Explain the process of ice wedging in your own words
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| 1. Explain the process of root growth causing mechanical weathering in your own words
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| 1. What is abrasion?
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| 1. What are 3 causes of abrasion?
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| 1. What is exfoliation?
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| **The Properties of Water** |  |
| 1. What atoms make up the compound of water? How many of each?
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| 1. How does water contribute to mechanical weathering of Earth’s materials?
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| **Chemical Weathering** |  |
| 1. Unlike mechanical weathering, chemical weathering changes what?
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| 1. Watch the video. What are the 3 types of chemical weathering?
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| 1. Explain the process of oxidation, in your own words.
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| 1. Explain the process of hydrolysis, in your own words.
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| 1. Explain the process of carbonation, in your own words. (hint: carbonic acid)
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| **Rates of Weathering** |  |
| 1. What does the rate or speed at which weathering occurs depend on?
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| 1. Using 2 pieces of evidence from the reading explain the main idea of the reading.
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| 1. In your own words, explain how the process of mechanical and chemical weathering contribute to the function of the rock cycle. (Hint: think about where in the rock cycle weathering takes place and how different types of rocks are formed.)
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