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| How are canyons like the Grand Canyons formed, or created? | They are formed by rivers and wind eroding the land after millions of years. |
| What is weathering? | Weathering is when Earth materials like rocks are broken or break. |
| What name 4 causes of weathering? | Wind  Water  Ice  Earthquakes  Volcanoes  Tree roots  Animals  Humans |
| How do sedimentary rocks change into metamorphic rocks? | Through heat and pressure |
| How do igneous rocks change into sedimentary rocks? | Through weathering and erosion |
| How do metamorphic rocks change into igneous rocks? | Through melting |

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| Which of these examples happens the fastest?   * Glaciers moving * Rocks being weathered by water * Volcanoes erupting | Volcanic eruption |
| What most likely caused this damage? Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-02 at 6.27.36 PM.png | landslide |
| What caused this rock to break?Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 3.22.07 PM.png | The tree root growing in the rock caused the rock to break. |
| Use the mineral chart to help you identify the mineral.  Its color is blackish. It is a soft mineral. Its streak is black. | Graphite |
| Martha found a mineral. She wants to test the minerals hardness. List the steps she should take in order.   * Use the results on the mineral chart. * Scratch the mineral with her fingernail. * Scratch the mineral with an aluminum nail. * Gather her materials. | First, gather her materials.  Then scratch the mineral with her fingernail.  Next, scratch the mineral with an aluminum nail.  Finally, use the results on the mineral chart. |
| This mineral’s hardness is 3. Its color is gray. What’s the name of the mineral?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 3.44.46 PM.png | Silver |
| Andy found a rock. It had a fossil of a fish and many layers. What type of rock is it?  Igneous, sedimentary, or metamorphic? | Sedimentary |
| Eddy found this rock by the river. How did it get so smooth?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 3.29.46 PM.png | After thousands and millions of years or weathering and erosion, the rock became smooth.  Or  The rocks banged against each others in a river during erosion. |
| Which process erodes mountains the slowest?  Lava, glaciers, mudslides, rivers | Glaciers |
| Jane found a mineral. Her fingernail scratched it. Could an aluminum nail scratch it? Why or why not? | An aluminum nail can scratch it because it is soft. |
| Where does the sand on the beach come from? | It came from the mountains and rivers to the shore eroded it. |
| What is erosion? | Erosion is when rocks are carried by water or wind. |
| What is deposition? | Deposition is when rocks and Earth’s materials are deposited or stopped on the land. |
| How was this delta formed?Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 3.49.17 PM.png | The river deposited the sand and rocks. |
| Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-02 at 6.31.57 PM.png  What is eroding the sand? | Wind |
| Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-02 at 6.29.55 PM.png  What is eroding this mountain? | A glacier |
| Use the mineral chart to help you identify the mineral.  The color of the mineral is green. It has a hardness of 4 and the streak color is white. | Fluorite |
| What is weathering this rock?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 4.12.40 PM.png | Water and ice |
| What will this landform look like in the next hundred million years? Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 4.17.06 PM.png | It will be flatter, wider, less mountains, |
| What are the three types of weathering? | Physical/ mechanical weathering  Chemical weathering  Biological weathering |
| When wind and water carry rocks away, it is called \_\_\_\_\_\_\_\_\_. | Erosion |
| When rocks are broken into smaller pieces, this is called\_\_\_\_\_\_\_\_\_\_. | Weathering |
| When rocks get deposited into deltas or beaches, this is called \_\_\_\_\_\_\_\_\_\_. | Deposition |
| When rocks get put under a lot of heat and pressure, they turn into what type of rock?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 4.37.50 PM.png | Metamorphic rock |
| Wendy found a mineral. She was not able to scratch it with her fingernail, an aluminum nail, or a steel paper. Is this mineral.  What’s the best way to describe the mineral?  It is softer than a fingernail.  Or  It is harder than a steel paper clip. | It is harder than a steel paper clip. |
| If a volcano erupts and the magma cools, what type of rock will be formed?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 4.49.09 PM.png | Igneous rock |
| If rocks get weathered, and then they get cemented together, it will look like the rock shown. There are many layers or rocks. What type of rock is it?  Macintosh HD:Users:judithdecordova:Desktop:Screen Shot 2016-11-06 at 4.50.14 PM.png | Sedimentary rock |
| If a rock gets put under extreme heat and pressure, it can change into a \_\_\_\_\_\_\_\_\_\_\_ rock. | Metamorphic rock |