**Grand Canyon Geology**

**Video Worksheet**

Today, you are the investigator looking for evidence that explains how the Grand Canyon landscape was formed! As you explore Grand Canyon, use this worksheet to take notes of the pieces of evidence that you find. By the end of this video, you will have discovered evidence explain the forces that shape the Grand Canyon landscape.

**Directions:** Answer the following questions on this worksheet as you watch the video. The video will have built in pause points that give you time to answer the questions.

Worksheet Pause 1

|  |
| --- |
| **What I Know.** |
| Based on what you know, what forces do you think are shaping Grand Canyon? |

|  |
| --- |
| **What I Want to Know.** |
| What do you want to know about the forces that shape Grand Canyon? |

\*Revisit this question, at the last pause of the video

Worksheet Pause 6

|  |
| --- |
| **What I Learned.** |
| After you discovered evidence of the forces that shape Grand Canyon, write about what you learned. What force was the most interesting? What did that force do to shape the Canyon? |

Worksheet Pause 2 – Small Evidence

|  |  |  |
| --- | --- | --- |
| Green/orange crust on rock | Small craters in rock | Chert lump in rock |
| A bright orange and green crust grows on a rock. | A rock is riddled with small holes the size of a pencil eraser. | A craggy light colored rock is encased in a darker brown rock. |
| How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? |

Worksheet Pause 3 – Big Evidence

|  |  |  |
| --- | --- | --- |
| Red rust on rock | Rock Tower | Side Canyons |
| Tall red cliffs tower high in the sky | A tower of rock supports a large boulder perched on top. | Muddy red water flows through a narrow canyon. |
| How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? |

Worksheet Pause 4 – Human Evidence

|  |  |  |
| --- | --- | --- |
| Recreation - Trails | Transportation – Vehicles/Mules | Land Development - Damns |
| Hikers walk down a narrow trail along a cliff edge. | Rangers ride mules on a muddy trail through the rain. | A large concrete dam holds back bright blue water in a dry, brown landscape. A bridge is in front of the dam. |
| How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? |

Worksheet Pause 5 – River Evidence

|  |  |  |
| --- | --- | --- |
| Slope | Force | Dry Environment |
| Shadows spread as the Colorado River flows through a narrow inner gorge. | A boatman rowing a blue inflatable raft through a brown, churning Colorado River rapid. Four passengers are in the boat, two in front, and two in back. | A vast landscape of different layers of rock, canyons, and rock temples stretches out to the horizon. |
| How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? | How does this evidence shape Grand Canyon? |

Worksheet Pause 6 – Return to the first page and complete the “What I Learned” section.