Kaibab Mystery Questions—Part 2

Stop 7b Highway 160 West of Tuba City

- Record your observations and sketches of what you find at this stop. (Note: The depression in the rock has been moistened to make it stand out better.)
- What type of rock do you think you are observing here?
- Are these rocks older, younger, or the same age as the Kaibab Formation? How do you know?
- What clues here could help you figure out the age of these rocks?
- What can you tell about the creatures who lived here by examining the clues in the rocks? How large were they?

Stop 8c Highway 264 Coal Mine Canyon

- Record your observations and sketches of what you find at this stop.
- How is this place similar to Grand Canyon?
- How is this place different from Grand Canyon?
- Why do you think it got the name Coal Mine Canyon?

Stop 8d Highway 264 Coal Mine Canyon

- Have you seen glassy rock somewhere else during the FOSS Earth History Course? How did that rock form?
- How do you think the black glass became part of the rock layer? (Hint: There is no evidence of volcanic activity in the area.)

Stop 9D: Lee's Ferry

- What might be different about the Shinarump Conglomerate that makes it more resistant to weathering than the Moenkopi Formation?
- The Kaibab Formation is older than the rocks in this picture. Where would you look for the Kaibab Formation at Lee's Ferry?
- How might the rocks you observe at Lee's Ferry be related to the rocks that make up Cedar Mountain at Stop 3 on the road trip? Would they be the same age, older or younger than the rocks in Cedar Mountain?

Stop 10B: Muav Limestone

- Can you find the lens-shaped rock between the Muav and the Redwall Limestones?
- What is the rock layer between the Redwall and the Muav Limestones? (Look at the Grand Canyon Rock Column in the resources book for clues.)
- If it is a sedimentary rock, why isn't it a complete layer like the Redwall and Muav Limestones?

Stop 11C: Mile 63

- How could salt form on the rocks here?
- Where does the salt come from?
- Why does the salt form an icicle shape?

Kaibab Mystery Questions—Part 2

Stop 7b Highway 160 West of Tuba City

- Record your observations and sketches of what you find at this stop. (Note: The depression in the rock has been moistened to make it stand out better.)
- What type of rock do you think you are observing here?
- Are these rocks older, younger, or the same age as the Kaibab Formation? How do you know?
- What clues here could help you figure out the age of these rocks?
- What can you tell about the creatures who lived here by examining the clues in the rocks? How large were they?

Stop 8c Highway 264 Coal Mine Canyon

- Record your observations and sketches of what you find at this stop.
- How is this place similar to Grand Canyon?
- How is this place different from Grand Canyon?
- Why do you think it got the name Coal Mine Canyon?

Stop 8d Highway 264 Coal Mine Canyon

- Have you seen glassy rock somewhere else during the FOSS Earth History Course? How did that rock form?
- How do you think the black glass became part of the rock layer? (Hint: There is no evidence of volcanic activity in the area.)

Stop 9D: Lee's Ferry

- What might be different about the Shinarump Conglomerate that makes it more resistant to weathering than the Moenkopi Formation?
- The Kaibab Formation is older than the rocks in this picture. Where would you look for the Kaibab Formation at Lee's Ferry?
- How might the rocks you observe at Lee's Ferry be related to the rocks that make up Cedar Mountain at Stop 3 on the road trip? Would they be the same age, older or younger than the rocks in Cedar Mountain?

Stop 10B: Muav Limestone

- Can you find the lens-shaped rock between the Muav and the Redwall Limestones?
- What is the rock layer between the Redwall and the Muav Limestones? (Look at the Grand Canyon Rock Column in the resources book for clues.)
- If it is a sedimentary rock, why isn't it a complete layer like the Redwall and Muav Limestones?

Stop 11C: Mile 63

- How could salt form on the rocks here?
- Where does the salt come from?
- Why does the salt form an icicle shape?

KAIBAB MYSTERY QUESTIONS—PART 2