# **“Building the Ashfall Fossil Bed State Historical Park”**

## **Panorama View - Upper Deck Unexcavated View:**

The teacher could use the questions after the class views the video together or it could be assigned for a student to complete as they watch the video.

1. From the text below the video, what year was the video made?
2. From the text below, this video is a clip from which longer program?
3. From the text below the video, what were some potential problems the workers discovered when they planned the location of the walls?
4. Why did Voorhies think the planned shape/style of the building was appropriate?
5. Why did the paleontologists reassemble some of the fossils at Ashfall?
6. What is unusual, compared to most finds, about the skeletons found at Ashfall?
7. The camels of Ashfall were compared to which modern species found in South America?
8. Why did the artist propose drawing “crowns” on the heads of the cranes of Ashfall?
9. What were two of the procedures the artist followed in order to prepare for the drawing?
10. Why did the artist put stripes on some of the horses?
11. What was unusual about the sole of the tortoise’s foot?
12. Why does Voorhies empathize and try to look for differences in the skeletons?
13. What do the “strange-looking white deposits” on the bones indicate?
14. How can the paleontologists tell the males from the female rhinos?
15. What might have happened to the skeletons if the glacial ice had extended into this area?
16. What month and year was the opening day for Ashfall Fossil Beds?
17. What animal was Voorhies looking to find that would be big enough to tear the leg off a rhino?
18. What is a reason to leave the skeletons in the ground instead of totally excavating and reassembling them all?
19. What did the on-coming rain cloud make Voorhies think about?
20. What are two species of animals Voorhies is expecting to find at Ashfall someday?

## **State Standards:**

### **Science:**

SC.3.7.2.b Analyze and interpret data from fossils to provide evidence of the organisms and environments in which they lived long ago.

SC.3.7.2.d Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

SC.8.10.5.a Analyze and interpret data for patterns in the fossil record that document the existence, diversity, extinction, and change of life forms throughout the history of life on Earth under the assumption that natural laws operate today as in the past.

SC.HS.7.2.c Evaluate the claims, evidence, and reasoning that the interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions but changing conditions may result in a new ecosystem.

SC.HS.10.5.e and SC.HSP.10.5.e Evaluate the evidence supporting claims that changes in environmental conditions may result in: (1) increases in the number of individuals of some species, (2) the emergence of new species over time, and (3) the extinction of other species.

**Social Studies:**

SS 3.3.2.c Explain how and why places and regions change over time.

SS 3.3.3.b Identify ecosystems.

SS 4.3.1.c Determine why things are located where they are in Nebraska.

SS 4.3.3.a Identify physical processes that shape Nebraska’s features and patterns.

SS 4.3.3.b Identify examples of ecosystems in Nebraska and describe related environmental issues.

SS 4.3.3.c Describe the impact of extreme natural events on the human and physical environment in Nebraska.