# **“Disaster Strikes”**

## **Panorama View - Visitor Center Entrance:**

These questions could be used by the teacher after the class views the video together or assigned to students individually to complete as they watch the video.

1. What are two types of prehistoric animals that lived in the area now known as Nebraska that no longer exist in this region?
2. Why did the team use a bulldozer instead of the shovels and scrapers normally used by paleontologists to remove material?
3. Why does Nebraska have volcanic ash even though the state has no volcanoes?
4. How does Mount St. Helens’ explosion compare to the ancient volcano of Idaho?
5. How thick was the ash deposit in Nebraska from this ancient volcano?
6. What clues lead the researchers to believe the ash at Ashfall came from Idaho?
7. Why was the ash from the volcanoes so deadly to the animals?
8. How was the ash similar to snow?

## **State Standards**

### **Science:**

SC.8.10.5.a Analyze and interpret datafor 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.10.5.e and SC.HSP.10.5.e Evaluate the evidencesupporting 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 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.