

The Permian Extinction

How the Earth Was Made: Earth's Deadliest Volcanic Eruption

What is the geological formation called that is the focus of this episode?

What kinds of rocks are found BENEATH the Siberian traps?

What is the age of the coal layers?

How old are the youngest Siberian Traps?

What rock type makes up the Siberian Traps?

The Siberian Traps were once a...

What are vast sheets of basalt lava called?

How thick are the Siberian Traps?

How vast of an area do they cover?

How long did the eruptions last?

What is the hypothesized cause of the Siberian Traps?

What are the small holes inside the basalt called?

What killed the trees at Mammoth Mountain?

What are the pores of leaves called?

How much more carbon dioxide was there in Earth's atmosphere 250 million years ago as a result of the Siberian Traps eruption than today?

Relative to the Siberian Traps when were the lake muds in South Africa deposited?

What do these rocks show evidence of?

By how much did the temperature of the atmosphere rise?

What animal group is abundant in the Dolomites in the Alps?

How are the slightly younger rocks in the Dolomites different from their older counterparts?

What do geologists call the "black band" of rock in the dolomites?

What mineral is found in the black band?

What kinds of conditions are necessary for pyrite to form in seawater?

What gas is present in the stagnant bottom waters of Greenlake State Park in New York?

What produces this gas?

What type of fossil is Lee Kump looking for?

What affect did the hydrogen sulfide have in the Permian ocean?

What kind of gas does coal contain?

What happened to the town of Centralia?

How much did the burning of the coal during the Permian cause temperatures to rise further?

How much more capable is methane in trapping heat in the atmosphere?

What does the light carbon distributed throughout the extinction zone layers imply?

What is the largest single geological storage of methane?

How long did it take for life to “rebound” after the extinction?