

Video: Earth's Deadliest Eruption

name: _____

Use sentences*.

1. *Why are they (the Siberian Traps) called “traps”?
2. *What does the presence of coal beneath the layers of basalt tell scientists about the time period before the eruptions?
3. How long did the eruptions of flood basalts that formed the Siberian Traps last?
4. What kind of volcanism caused the Siberian Traps? Circle one:

Subduction	Rift volcanism (divergent)	Hot Spot (mantle plume)
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5. *Why do 250 million year-old fossil Ginkgo leaves have so few stomata?
6. *What does the presence of iron pyrites (fool's gold) in the Dolomites of northern Italy reveal about the ocean water at that time (250 mya)?
7. *How were the eruptions in Siberia 250 mya similar to what happened in Centralia, Pennsylvania in 1962?
8. *Why was no coal formed in the 25 million years after the eruptions in Siberia (hint: trees)?