Earth	His Science	story Channel's <i>Insi</i>	de the Volcano Video Qu Mr	estions : Traeger
Name:		Per	iod: Date:	
	uction and Overview What is a volcano? (3	3:45)		
2.	What are signs of an	impending volcanic erupti	on? (5:00)	
		rm at the following location		Joland Avea
Cor	ntinental Margins	Hot Spots	Fissures (ocean ridge)	Island Arcs
4.	What are the characte	eristics of the following typ	pes of eruptions? (9:00)	
	Hawaiian	Strombolian	Vulcanian	Plinian
5.	How can dissolved ga	ases like H ₂ O and CO ₂ in I	magma affect the explosiveness	s of a volcano? (11:00)
Thera i	in 1600 BC (12:40)			
6.	What is a pyroclastic	flow and what kind of dam	nage will it cause? (15:00)	
7.	How did the eruption	of Thera in 1600 BC affec	et the Minoans on Crete? (20:00)
8.	Why was Theraφ eru	ption so catastrophic? (21	:00)	
9.	How did volcanic ash	change the color of the N	lile River in Egypt? (27:00)	
	ws in 79 AD (28:50) Why was the eruptior (32:00)	n of Mt. Vesuvius in 79 AD	so devastating for the cities of	Pompeii and Herculaneum?
11.	How did the Ancient I science was employe		e civilizations describe the caus	ses of volcanic eruptions before

12. What is viscosity and how does it contribute to the explosiveness of a volcano? (38:50)

History Channel's *Inside the Volcano* Video Questions

Earth Science Mr. Traeger

Ring of Fire Volcanism: Tambora 1815 (48:10), Krakatau 1883 (52:20), Mt. St. Helens 1980 (56:00), Mt. Rainier 1820 (1:02:50)

	13.	What is the Pacific Ring of Fire? (46:00)
	14.	How can volcanic eruptions have worldwide impacts on climate? (50:00)
	15.	What kinds of things were monitored to predict the eruption of Mt. St. Helens in 1980? (59:00)
	16.	What are lahars and why are they so devastating? (1:04:10)
	17.	What are modern-day tools that are now used to aid in the prediction of volcanic eruptions? (1:06:00)
<u>Ha</u>		an Volcanoes and Kilauea's Eruption from 1983 to the Present (1:08:30) How were the Hawaiian Islands formed? (1:09:30)
	19.	What kind of volcano is Kilauea? Why doesnot its eruption take place from the original vent any more?
	20.	How can volcanoes be constructive for our environment instead of destructive? (1:13:00)
<u>lce</u>		I Volcanic Eruptions from 20 million years ago to the present (1:15:30) How are Icelandic ocean ridge volcanoes formed? (1:16:30)
	22.	How can the volcanoes of Iceland be used to harness energy for producing electricity? (1:19:00)
<u>Su</u>		volcanoes What are super volcanoes? (1:24:40)
	24.	How do calderas like Toba and Yellowstone form? (1:27:00)
	25.	Should we be more concerned with Yellowstone and Long Valley Caldera super volcano-type eruptions which occur about every 600,000 years, or should we be more concerned about the many other volcanic eruptions

around the Earth that occur more frequently? Explain. (1:28:00)