

Ring of Fire

Name: _____

Please answer the questions as you watch the program.

Life was born in the earth's _____. There are about _____ active volcanoes on the Pacific rim of the ocean. The volcano called Navidad is located in the S. American country of _____. Mt. St. Helens is part of the _____ mountain range in the western part of North America. The Aleutian islands is an example of an _____ arc in the Ring of Fire. Another example of this is the country of _____. Mt. Fuji is located in the country of _____. Krakatoa is located in _____. Where is the volcano named Ganunganung? _____

What group of islands lies in the center of the Ring of Fire? _____

In what year did Navidad erupt and grow nearly 1000 feet in a month? _____

What is described as the "ticking time bomb" beneath San Francisco? _____

In what two years did San Francisco have its largest earthquakes? _____/ _____

How many homes/structures were destroyed in the 1989 quake? _____ How much weaker was the 1989 quake compared to the 1906 quake? _____ What is the Cypress Structure? _____ The marina district experienced a lot of damage b/c it was built on a _____. 600 miles north lies _____, the scene of the greatest volcanic eruption in modern times. It happened in the year _____. 240 square miles of forest and 57 people died. What is Spirit Lake?

Explain what a 'lava dome' is:

How is Dr. Norman Banks trying to save lives?

What two elements make up the core of the earth? _____ & _____

What is a 'magma chamber'?

Mt. Sakurajima is part of what island arc? _____ Ever since _____, there has been yearly evacuation drills here. Each year, there are _____

earthquakes and _____ active volcanic eruptions in _____. "Nobody is more prepared than the _____ people for eruptions." How do the hot springs of Japan help the Japanese Snow Monkey to survive? (*think adapt)

What is a lava "sand bath"?

3000 miles to the southwest lies the island arc called _____, the most eruptive nation on our planet. Here, people mine the element _____ and only live to be 30 because they are constantly breathing in the gas for of _____, which shortens their life span. In Bali, the volcano named _____ erupted in 1963 sending *superheated ash flows* down the mountain that _____ thousands of people.

In Hawaii, what two volcanoes erupted on the same day back in 1984:

_____ & _____, both of these are _____ volcanoes, not the strato volcano type found in other areas of the Ring of Fire. The Hawaiian god named _____ is the god of _____. Kilauea continues to erupt daily. The lava flows very slowly, this means it has high viscosity. What does this mean?

What is A'a:

What is Pahoehoe: