

Name: _____

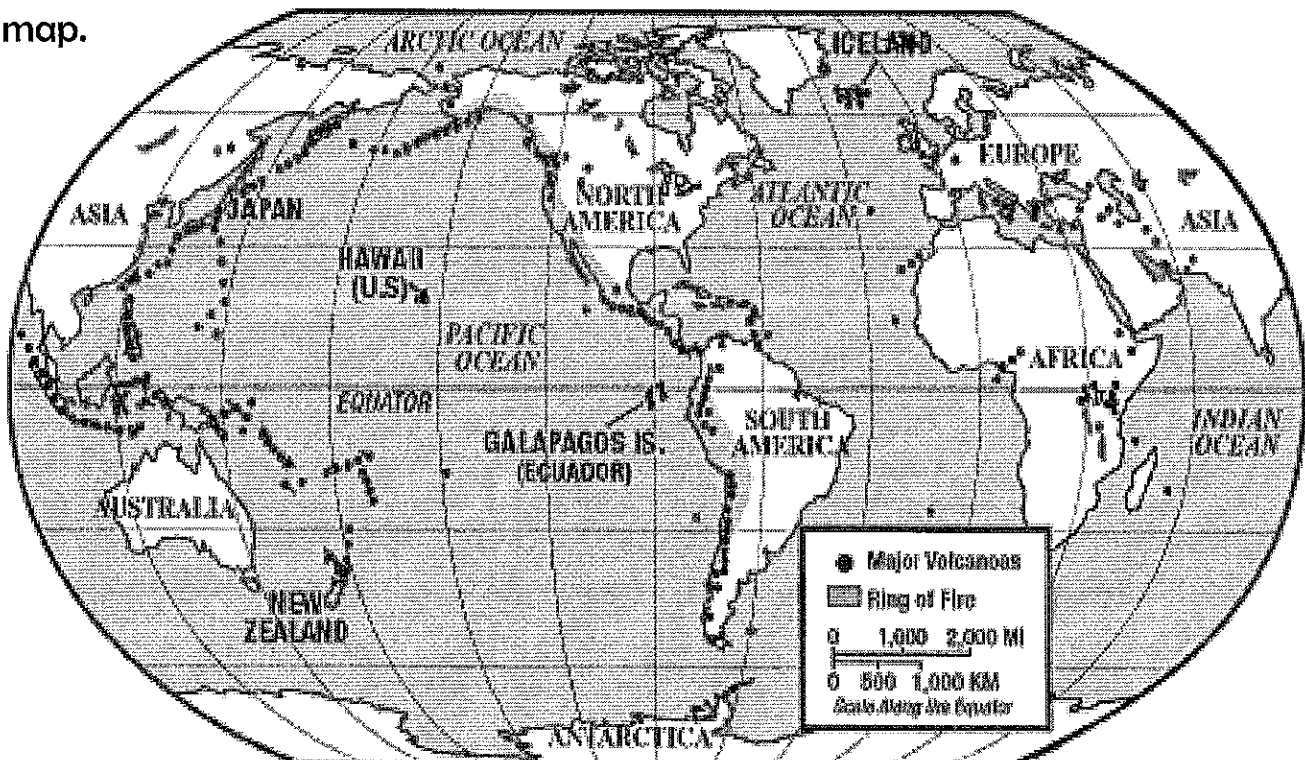
Explore the Ring of Fire!

Volcanic eruptions can be amazing — but deadly. A volcano is an opening in the earth's surface through which red-hot lava (melted rock) and gases spew into the air. Most volcanoes are located over large, rigid plates. These plates make up the earth's surface. Sometimes they move toward each other and collide. This causes an earthquake very deep in the earth which can cause a volcano to erupt!

Some eruptions have been so violent that entire towns have been wiped out, and thousands of people have died. In ancient Rome, a volcanic eruption destroyed the entire city of Pompeii (pahm-PAY) in 79 A.D. The word volcano comes from *Vulcan*, the Roman god of fire.

Volcanoes are found on every continent. The largest area of volcanoes is located along a belt known as the Ring of Fire, which circles the Pacific Ocean. The Ring of Fire is an area of the Earth in which earthquake and volcanic eruptions are frequent. It consists of 452 volcanoes and resembles a belt. It is where 75% percent of all volcanoes are located.

It's not possible to show the location of every volcano (Iceland, for example, has more than 30 active volcanoes), but the map shows the location of major volcanoes. Study the map.



1. What was the cause of the city of Pompeii being destroyed?
 - A. The people of Pompeii were not prepared
 - B. A violent volcanic eruption
 - C. A volcano being formed over a plate in the earth
 - D. The Roman god of fire caused it to be destroyed

2. What is an effect of plates in the earth moving toward each other and colliding?
 - A. Gases and lava will spew into the air
 - B. Towns will be wiped out
 - C. An earthquake will occur deep in the earth causing a volcano
 - D. Another volcano will form in the Ring of Fire

3. What ocean is the Ring of Fire located around?
 - A. Pacific
 - B. Atlantic
 - C. ~~Artic~~ Arctic
 - D. Indian

4. What do the small dots on the map show?
 - A. major cities
 - B. countries that have volcanoes
 - C. the Ring of Fire
 - D. major volcanoes

5. What does the word Vulcan mean from the text?
 - A. Roman god of fire
 - B. volcano
 - C. the name of a city
 - D. Ring of Fire