

Name: \_\_\_\_\_ Pd. \_\_\_\_\_ Date: \_\_\_\_\_

## How the Earth Was Made: the Ring of Fire

While watching the movie video, answer the follow questions.

#	Question	Answer
1	How much of the world's volcanoes are found along the Ring of Fire?	
2	Why does the study of volcanoes around the Ring of Fire start in Alaska?	
3	What type of volcano is Augustine Volcano?	
4	Why is a blocky lava an important clue to the explosiveness of a volcano?	
5	What happens when the gas in magma is unable to escape?	
6	What happens when the upward energy of an eruption column decreases?	
7	What is the presence of hornblende in the rock an important clue?	
8	What is the surprising find made in the fumaroles at Mt. Lassen?	
9	What is the process that moves rock and seawater down into the Earth?	
10	What percent of the world's earthquakes occur around the Pacific Rim/Ring of Fire?	
11	What is the evidence that is 1/4 mile inland regarding the seriousness of the earthquakes?	
12	What is one of the major hazards associated with megathrust earthquakes?	
13	What is the clue scientists found about the Ring of Fire's megathrust earthquakes?	
14	About how deep is the trench by Alaska?	
15	What are scientists using to track the movement of plates around the Ring of Fire?	
16	What role do convection currents play in plate tectonics?	
17	How hot was the water coming out of the black smokers?	
18	What is the major feature that keeps the plate movement alive?	
19	To what location are parts of California, Baja Mexico and the Hawaiian Islands moving?	
20	What is the ultimate process by which plates move?	