

Ring of Fire, or the Where, What, and Why of Volcanoes...

Introduction

There are more than 1,500 **active volcanoes** in the world. An active volcano is one that has erupted at least once in the past 10,000 years and is likely to erupt again. Because most of the Earth's volcanoes are hidden under the oceans, people have not been able to witness their eruptions. Every year, about 50-60 volcanoes erupt on land where people might be able to see them. Scientists estimate that there are about 200 volcanic eruptions under the oceans. **The shaded area on your map is called the "Ring of Fire."** Your observations will reveal why.

Objective

The goal is to create a map showing the different types of plate boundaries, direction of plate motion, the locations of several active volcanoes, and the types of these volcanoes in order to observe how they are related.

This is a list of some active, or recently active, volcanoes.

<u>Name, Location</u>	<u>Type</u>	<u>Last Erupted</u>
1. Azul, Chile	Composite	1967
2. Bezymianmy, Russia	Composite	1993
3. Cerro Negro, Nicaragua	Cinder cone	1971
4. Cotopaxi, Ecuador	Composite	1942
5. Erebus, Antarctica	Composite	1980
6. Katmai, AK, USA	Composite	1912
7. Kilauea, HI, USA	Shield	1995
8. Krakatau, Indonesia	Composite	1894
9. Ksudach, Russia	Shield	1907
10. La Palma, Canary ISS	Composite	1954
11. Lassen Peak, CA, USA	Composite	1914
12. Mt. Etna, Italy	Shield	1993
13. Mt. Fuji, Japan	Composite	1709
14. Mt. Pelée, Martinique	Composite	1932
15. Mt. Rainier, WA, USA	Composite	1894
16. Mt. St. Helens, WA, USA	Composite	1986
17. Nevada del Ruiz, Colombia	Composite	1991
18. Ol Doinyo Lengai, Tanzania	Composite	1993
19. Parícutin, Mexico	Cinder cone	1952
20. Pinatubo, Philippines	Composite	1992
21. Sunset Crater, AZ, USA	Cinder cone	1065
22. Surtsey, Iceland	Shield	1967
23. Tambora, Indonesia	Composite	1967
24. Vesuvius, Italy	Composite	1944