

Earthquakes And Volcanos



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Chapter 1

FACT FILE ALL ABOUT VOLCANOS AND EARTHQUAKES

HOW EARTHQUAKES HAPPEN

Earthquakes are caused by tectonic plates rubbing together up down left and right. Tectonic plates are basically pieces of a jigsaw puzzle but for around the world. If the tectonic plates rub that is what causes an earthquake.

WHAT IS AN EARTHQUAKE

An earthquake is when the ground shakes and destroys buildings transport and even people! Tectonic plates slip and suddenly there is a violent shaking and causes destruction and cracks in the ground.

WHAT HAPPENS AFTER AN EARTHQUAKE

After an earthquake always try to get high ground because earthquakes can also happen under sea on the sea bed and it can come up and the water might flood the whole city which causes a tsunami.

VOLCANOES

WHAT IS A VOLCANO

A volcano is a mountain that is caused by an earthquake and magma flows and erupts.

Volcanos can be extinct dormant or active. The word volcano actually comes from the Roman god of fire called Vulcan. Extinct volcanoes will never ever erupt again. Dormant volcanoes could erupt again but it probably won't. Active volcanoes can erupt at any time. A volcano called Etna is an active volcano and it has been erupting a lot for 3500 continuous years. Etna has actually been turned into a hotel. Why would you want to live there for a nice trip to Italy? A volcano called Mount Kilimanjaro is a dormant volcano. Sometimes it has snow on. The last major eruption there was 360,000 years ago and it still can erupt today.

There are three types of lava: Aa lava, Pele's hair, Pahoehoe lava.

TSUNAMIS

A tsunami is a series of ocean waves generated by sudden displacements in the sea floor, landslides, or volcanic activity. In the deep ocean, the tsunami wave may only be a few inches high. The tsunami wave may come gently ashore or may increase in height to become a fast moving wall of turbulent water several meters high.

About 80% of tsunamis happen within the Pacific Ocean's "Ring of Fire."

Tsunamis can travel at speeds of about 500 miles or 805 kilometers an hour, almost as fast as a jet plane.

A tsunami is a series of ocean waves caused by an underwater earthquake, landslide, or volcanic eruption. More rarely, a tsunami can be generated by a giant meteor impact with the ocean. These waves can reach heights of over 100 ft. The first wave of a tsunami is usually not the strongest, successive waves get bigger. The states in the U.S. at greatest risk for tsunamis .

Chapter 2