

Natural Disasters



Aldous

Introduction

This book is about natural disasters. It talks about how disasters can effect you and how they happen. If you want to read a happy book do not read it. Thank you.

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Chapter 1

Natural disasters

Earthquakes

An earthquake is caused by two tectonic (basically puzzle pieces that make up the world) rubbing, slamming or pushing together over tens of millions of years. These tectonic plates are moving all the time but they move so slowly that we don't notice it at all.

There are two ways to measure earthquakes, the first one is through a seismograph. This detects ripples in the earth's crust (the bigger the ripple the larger the earthquake). The second one is just a scale made by people who witnessed the disaster. Here is the scale. It is called the Richter scale.

1. Insignificant
2. low
3. Minor
4. Moderate
5. Intermediate
6. Note-worthy
7. High
8. Far-stretching
9. Outstanding

10.Extraordinary

Volcanoes

A volcanoes cause is similar to one of an earthquake. They occur when lava from inside the earth is pushed up by pressure. Over thousand to millions of yeas pushes up, taking tons of rock with them. Then that rock that has peen pushed up forms a cone shape. Next the lava brakes free, it either peacefully flows out or violently explodes out, taking tons of poisonous gas going hundreds of miles an hour with it. The ancient Romans thought an eruption was there god of fire (Vulcan) punishing them.

The first kind of eruption is called an Effusive eruption the second eruption is called an explosive eruption.

Here is a link to a picture of a volcano.

<https://i.ytimg.com/vi/6CBnqZkascs/maxresdef>

Tsunamis

These disaster are caused by earthquakes under the sea. They are huge masses of water being pushed by the shock of an earthquake in a certain direction. The only way to detect a tsunamis without any equipment. The largest tsunami ever was 500 foot (152.4 metres) that 75 times the size of a 2 meter person (if you are 2 meters you are very tall). Luckily tsunamis are very easy to predict as if an earthquake happens in the ocean a tsunami will occur soon after. Tsunamis can reach speeds of 400 miles per hour.

But if tsunamis are not predicted many lives could be lost. In 2004 a tsunami happened and 66,000 lives were lost and that's why tsunamis are one of the most dangerous disasters in the world



