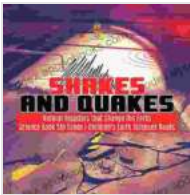


Shakes and Quakes: Natural Disasters That Change the Earth for 5th Grade

Natural disasters can be both fascinating and frightening. They can shake the ground beneath our feet, erupt from deep within the earth, and even unleash tsunamis that can travel across entire oceans. But what exactly causes these events, and how do they affect our planet? In the book 'Shakes and Quakes: Natural Disasters That Change the Earth' for 5th grade students, author Gail Gibbons explores the science behind earthquakes and volcanoes, their impact on the environment, and how we can prepare for and respond to these events.



Shakes and Quakes | Natural Disasters that Change the Earth | Science Book 5th Grade | Children's Earth

Sciences Books by Baby Professor

★★★★☆ 4.6 out of 5

Language : English

File size : 45154 KB

Screen Reader : Supported

Print length : 72 pages



Chapter 1: Earthquakes

The first chapter of the book begins by introducing students to the concept of plate tectonics. They will learn that the earth's crust is made up of a series of tectonic plates that are constantly moving. When these plates collide, they can cause earthquakes. The magnitude of an earthquake is

measured on the Richter scale, and the larger the magnitude, the stronger the earthquake.

Gibbons also discusses the different types of earthquakes and their effects. For example, shallow earthquakes can cause more damage than deep earthquakes, and earthquakes that occur near the ocean can trigger tsunamis. Students will also learn about the сейсмограф, an instrument used to measure the strength and location of earthquakes.

Chapter 2: Volcanoes

The second chapter of the book focuses on volcanoes. Students will learn that volcanoes are formed when magma, or molten rock, rises from deep within the earth and erupts onto the surface. Volcanoes can be classified as active, dormant, or extinct, and each type has its own unique characteristics.

Gibbons discusses the different types of volcanic eruptions and their effects. For example, some eruptions produce lava flows that can destroy everything in their path, while other eruptions produce ash clouds that can block out the sun and cause respiratory problems. Students will also learn about the different ways that volcanoes can be monitored and how we can prepare for volcanic eruptions.

Chapter 3: Preparing for and Responding to Natural Disasters

The third chapter of the book provides students with practical tips on how to prepare for and respond to natural disasters. They will learn about the importance of having an emergency plan, assembling an emergency kit, and knowing what to do in the event of an earthquake or volcanic eruption.

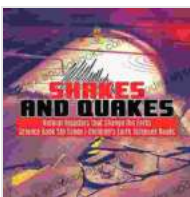
Gibbons also discusses the role of scientists in studying natural disasters. Students will learn about the different ways that scientists collect data and use it to predict and prepare for future events. They will also learn about the importance of communication and cooperation in disaster response.

The book 'Shakes and Quakes: Natural Disasters That Change the Earth' is an excellent resource for 5th grade students who want to learn more about earthquakes and volcanoes. The book is well-written and engaging, and it provides students with a comprehensive overview of these fascinating and sometimes frightening natural events.

In addition to the information provided in the book, there are a number of additional resources available online that can help students learn more about natural disasters. These resources include:

- The United States Geological Survey (USGS) website: <https://www.usgs.gov/>
- The National Oceanic and Atmospheric Administration (NOAA) website: <https://www.noaa.gov/>
- The American Red Cross website: <https://www.redcross.org/>

By using these resources, students can gain a deeper understanding of natural disasters and how to prepare for and respond to them.



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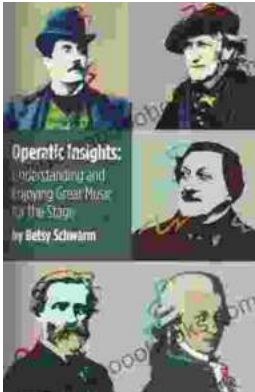
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