

Introduction

Welcome to the Geomorphic Events Worksheet! This activity is designed for 13-year-old students to learn about the fascinating world of geomorphic events, including earthquakes, volcanic eruptions, and landslides. Through a series of questions and activities, students will gain a deeper understanding of the Earth's dynamic systems and the importance of geomorphic events in shaping our world.

Multiple Choice Questions

Choose the correct answer for each question:

1. What is a geomorphic event?

- a) A natural disaster
- b) A human-made disaster
- c) A natural process that shapes the Earth's surface
- d) A type of weather phenomenon

Answer: c) A natural process that shapes the Earth's surface

2. What is the main cause of earthquakes?

- a) Weathering and erosion
- b) Plate tectonics
- c) Human activities
- d) Climate change

Answer: b) Plate tectonics

Short Answer Questions

Answer each question in 50 words or less:

1. Describe the difference between a hurricane and a tsunami.

2. What are the effects of landslides on the environment?

Case Study

Read the following case study and answer the questions:

"The 2010 Haiti earthquake was a devastating natural disaster that affected over 3 million people. The earthquake was caused by a fault line that runs along the border of Haiti and the Dominican Republic. The earthquake resulted in widespread destruction, including collapsed buildings, roads, and bridges."

1. What was the cause of the 2010 Haiti earthquake?

2. What were the effects of the earthquake on the environment and human populations?

Map Skills

Using a map of the world, identify the following:

1. The location of the San Andreas Fault
2. The location of the Himalayan mountain range
3. The location of the Amazon rainforest

Graphing Activity

Plot the following data on a graph:

Year	Number of Earthquakes
2010	20
2011	25
2012	30
2013	20
2014	15

Creative Writing

Imagine you are a survivor of a natural disaster. Write a short story (max 100 words) about your experience:

[Space for creative work]

Debate

Debate the following topic:

"Geomorphology is more important than meteorology in understanding natural disasters."

Arguments for and against:

- Geomorphology helps us understand the underlying processes that shape the Earth's surface
- Meteorology helps us predict weather patterns and natural disasters

Word Search

Find the following words related to geomorphic events:

EARTHQUAKE, LANDSLIDE, VOLCANO, FLOOD, HURRICANE

[Space for word search]

Conclusion

Congratulations on completing the Geomorphic Events Worksheet! We hope you have gained a deeper understanding of the fascinating world of geomorphic events and their importance in shaping our world. Remember to always be prepared for natural disasters and to respect the power of the Earth's dynamic systems.