

Student Name: _____

Class: _____

Due Date: _____

Introduction and Objectives

Introduction to Geomorphic Events: Geomorphic events are natural processes that shape our planet and affect human lives. These events can be caused by a variety of factors, including tectonic activity, weather patterns, and human activities.

Learning Objectives:

- Understand the different types of geomorphic events
- Analyze the causes and effects of geomorphic events
- Develop strategies for mitigating the impacts of geomorphic events

Multiple Choice Questions

What is the main cause of earthquakes?

1. a) Weathering and erosion
2. b) Plate tectonics
3. c) Human activities
4. d) Climate change

What is the term for the movement of rock, soil, or debris down a slope?

1. a) Landslide
2. b) Flood
3. c) Hurricane
4. d) Earthquake

What is the primary effect of a geomorphic event on human populations?

1. a) Loss of life and property
2. b) Environmental degradation
3. c) Economic disruption
4. d) All of the above

Short Answer Questions

Describe the difference between a hurricane and a typhoon.

What are the main factors that contribute to the occurrence of landslides?

Read the case study of the 2010 Haiti earthquake.

Answer the following questions:

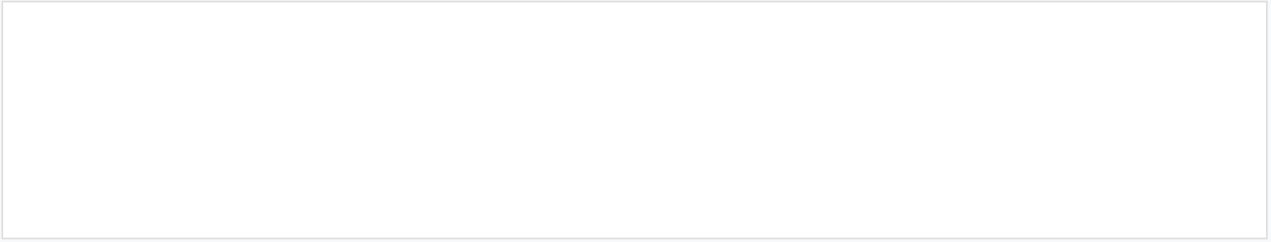
1. What were the primary causes of the earthquake?

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

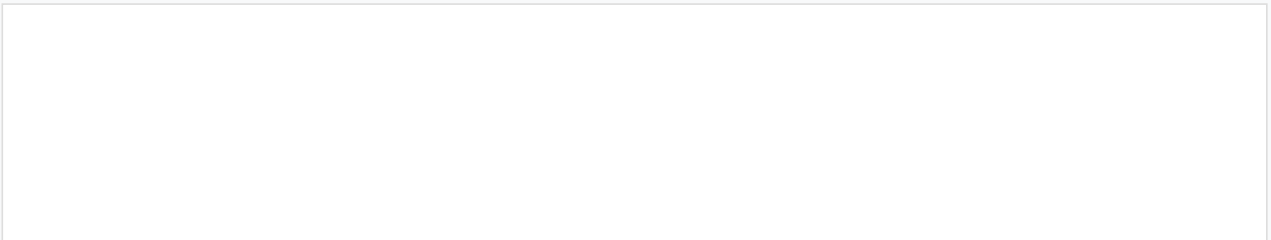
3. What strategies were used to respond to the earthquake?

Activities

Create a diagram to illustrate the process of plate tectonics.



Develop a plan for mitigating the impacts of a flood in your local community.



Reflection and Conclusion

Reflect on what you have learned about geomorphic events and their impacts.

How can you apply this knowledge to real-world scenarios?

What are some strategies for reducing the risks associated with geomorphic events?

Additional Resources

For further learning, please refer to the following resources:

- Textbook: Geomorphic Events and Their Impacts
- Online resources: National Geographic, USGS

Key terms and definitions:

- Geomorphic event: a natural process that shapes the Earth's surface
- Plate tectonics: the movement of the Earth's plates
- Landslide: the movement of rock, soil, or debris down a slope

References

References used in this homework sheet:

- Smith, J. (2020). *Geomorphic Events and Their Impacts*. New York: Routledge.
- Johnson, K. (2019). Plate Tectonics and Geomorphic Events. *Journal of Geology*, 127(3), 1-10.