**Earthquake or Volcanic Eruption Case Study** Name:

Geography 12 Period:

**Due date:** Thursday December 8th, 2016

**Turn it in:** **Class ID:** 13983676

**Password:** westvan

For this assignment you will research on a major earthquake or volcanic eruption that has occurred over the last century. Some examples are listed below:

**Earthquakes:**

* Nepal Earthquake in 2015
* Kashmir Earthquake in 2005
* Haiti Earthquake in 2010
* San Francisco Earthquake in 1906
* Haiyuan Earthquake in 1920
* Chile Earthquake in 1960

**Volcanic Eruptions:**

* Eyjafjallajokull, Iceland in 2010
* Mt. Kelut, Indonesia in 1919
* Mt. Pelee, West Indies in 1902
* Nevado Del Ruiz, Columbia in 1985

***Note:*** *If you would like to do your own case study, please let me know.*

**Content for Earthquakes:**

1. **A description of the geological event with a diagram:**

* Identify the plates involved and plate type
* Description of the plate movement
* Location of the epicenter and focus
* Magnitude on the Richter scale and describe the force

1. **Earthquake hazards:**

* Discuss the initial hazards following the earthquake: seismic shaking, tsunami, landslides, etc.

1. **An overview of the impacts:**

* **Social impacts:** casualties, displacement lack of food, water or supplies.
* **Economic impacts:** cost of the damage done to infrastructure, country’s GDP, impacts on major industry.
* **Environmental impacts:** impact on water supply, flooding, landslides, impact on ecosystems.

1. **Other:**

* Include any other significant events to your case study. For example: lack of government response, difficulties in providing aid, fundraising, organizations providing aid, present day issues.

**Content for Volcanic Eruption:**

1. **A description of the geological event with a diagram:**

* Identify the volcano type and how it was formed
* Description of the volcanic features
* Plates involved in the formation of the volcano

1. **Volcano hazards:**

* Discuss the initial hazards following the volcano: pyroclastic flow, lahar, nuees ardentes, lava flow.

1. **An overview of the impacts:**

* **Social impacts:** casualties, displacement, lack of food, water or supplies.
* **Economic impacts:** cost of the damage done to infrastructure, country’s GDP, impacts on major industry.
* **Environmental impacts:** impact on water supply, flooding, landslides, impact on ecosystems, air quality.

1. **Other:**

* Include any other significant events to your case study. For example: lack of government response, difficulties in providing aid, fundraising, organizations providing aid, present day issues.

**Assignment Format:**

* standard margins
* Times New Roman
* 12 pt. font
* double space
* word count: min. 1000

**Bibliography**

* in MLA
* in alphabetical order
* space between each source
* source is single spaced

**(Earthquake or Eruption) Case Study**

Name

Subject

**Introduction/Background**

* when, where, description of the event
* include diagram + description

**Impacts**

- discuss social, economic, and environmental impacts.

**Conclusion**

* summary
* significance

**Criteria for Sources**

1. **Be sure to use at least 4 sources:**

* **At least two sources are academic sources: this** includes books, **academic** journal articles, and published expert reports. A**cademic sources** are usually peer-reviewed, which means that it's been reviewed by experts on its topic for accuracy and quality before being published**.**
* **Other references can be non-academic sources:** Articles or books may be written by a professional writer, e.g. journalist, who is not an expert in the field. Non-academic sources are usually written for the general public and rarely offer details about the sources of information.

1. **Be sure to use in text citations when:**

* Using a quote: maximum of one quote for this writing assignment
* Paraphrasing another person’s thoughts or ideas
* Using facts, statistics, data, etc.
* Using an image (refer to example below)

1. **Follow proper format of a bibliography:**

* MLA style
* Single space the details of the source, indent each new line
* Double space each source
* Sources in alphabetical order

**How to cite an image from a website:**



*Map of the San Andreas and a Few of the Other Faults in California, Segments of Which Display Different Behavior: Locked or Creeping*. Digital image. *Plate Tectonics and People*. USGS, 05 May 1999. Web. 10 Oct. 2015

**Bibliography**

Adams, Scott. Dilbert and the Way of the Weasel. New York: Harper, 2002. Print.

Gonsalves, Chris. “Wasting Away on the Web.” eWeek.com. Ziff Davis Enterprise Holdings, 8 Aug. 2005. Web. 16 Feb. 2006.

Lane, Frederick S., III. The Naked Employee: How Technology Is Compromising Workplace Privacy. New York: Amer. Management Assn., 2003. Print.

Tynan, Daniel. “Your Boss Is Watching.” PC World. PC World Communications, 6 Oct. 2004. Web. 17 Sept. 2006.

Please submit this rubric on Thursday December 8th, 2016

Name:

Period:

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| --- | --- | --- | --- | --- |
| **Level/Expectations** | **Introduction and description of the geologic event**  **/10** | **Analysis and description of the impacts**  **/10** | **Organization and communication**  **/5** | **Sources and citations**  **/5** |
| **1:**  **Not Yet Meeting** | Introduction is inappropriate or irrelevant.  Description of the geologic event is lacking. | Description of the impacts is lacking and unorganized.  Details not supported with evidence. | Case study shows little or no evidence of structure and is poorly or randomly organized.  Formal expression is full of errors. Communication is derailed. | Citation format in-text and in the bibliography is extremely flawed or non-existent.  Sources do not meet the requirements of the essay. |
| **2:**  **Minimally Meeting** | Introduction is unfocused, flawed or out of context.  Description of the geologic event is flawed or not clearly described. | Description of the impacts is unclear or flawed.  Details are not supported with evidence. | Case study structure is evident but is still undeveloped.  Formal expression s clearly flawed. | In-text citation is not used correctly. A bibliography is included.  Sources do not meet the requirements of the essay. |
| **3:**  **Meeting** | Introduction is clear and appropriate but may still be too broad or require further contextualization.  Description of the geologic event needs more detail/ | Description of impacts is not discussed in detail and requires more support. | Case study structure is evident and essay is largely laid out in a coherent and logical manner.  Formal expression is fairly clear, fluent with some errors. | In-text citation is attempted. An MLA formatted bibliography is attempted.  Sources do not entirely meet the requirements of the essay. |
| **4:**  **Fully**  **Meeting** | Introduction is well stated and is reasonably well focused and clear.  Description of the geologic event is clear and focused. | Description of the impacts is focused, clear, and supported with evidence. | Case study is well structured and is laid out in a clear, coherent and logical manner.  Formal expression is clear with few, if any, errors. | MLA in-text citations are used well. An MLA formatted bibliography is included.  Sources meet the requirements of the essay. |
| **5:**  **Exceeding** | Introduction is clear and sharply focused.  Description of geologic event is exceedingly clear, focused, and valid. | Description of the impacts is well developed, clear, and supported with evidence.  Thoughtful analysis of the impacts and present issues or concerns. | Case study has excellent structure and is laid out in a clear, logical and sophisticated manner.  Formal expression is flawless. | MLA in-text citations are used almost flawlessly. A correctly formatted MLA bibliography is included.  Sources exceed the requirements of the essay. |

Total: /30