



## **Article Guide: Disaster in Guatemala: Volcán de Fuego Erupts**

[http://scienceovereverything.com/2018/06/14/volcan\\_de\\_fuego/](http://scienceovereverything.com/2018/06/14/volcan_de_fuego/)

### **Part 1: Subduction Junction**

Directions:

- Read the section of the article titled “Subduction Junction”
  - Box vocabulary words or words that you have not seen before
  - Underline in the text where the focus questions are addressed
- Answer each focus question Focus questions

Focus questions

1. What type of plate gets subducted, continental or oceanic? Explain why this happens.

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2. What causes volcanoes to form at subduction zones?

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3. Where can you find most of the world’s volcanoes? Why are they found here?

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### **Part 2: What made this eruption so deadly?**

Directions:

- Read each understanding question
  - Think about what you would need to know to answer that question
- Read the section of the article titled “What made this eruption so deadly?”
  - Box vocabulary words or words that you have not seen before
- Answer each understanding question

## Understanding questions

1. What factors caused the eruption of Volcan de Fuego to be so much more explosive than the eruptions of Kilauea?

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2. Explain why pyroclastic flows are so dangerous.

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## Part 3: Global Impacts

Directions:

- Read the section of the article titled “Global Impacts”
    - Box vocabulary words or words that you have not seen before
  - Discuss with a partner how you would address the extension questions.
    - Write a response to the extension questions
3. Imagine you were a scientist monitoring Volcan de Fuego. Given the typical warning signs prior to an eruption, how could you improve the monitoring techniques of Fuego? How could you use this to save the lives of people living around the volcano?

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