

**Reading: Forms of Justification**  
**Volcano 2**

Allen wonders: What is related to the thickness of magma? Allen did a little research and wrote the following argument. Read Allen's argument closely

**Allen's Argument:**

(S1) = Sentence 1, (S2) = Sentence 2, (S3) = Sentence 3

*(S1) Volcanoes that release very hot magma often have the thinnest magma. (S2) The Fernandina Volcano in the Galapagos Islands has magma that reaches temperatures of more than 1,000 °C, and it also has some of the thinnest magma ever discovered. (S3) The Fernandina Volcano is a good example because it has high temperature magma that is also very runny.*

Q1. In which sentence does Allen support his claim?

- Sentence 1 (S1) only
- Sentence 2 (S2) only
- Sentence 1 (S1) and Sentence 2 (S2)
- There is no justification in the argument

Q2. Allen supports his claim with...

- something an expert said.
- data from science investigations.
- comparisons to a personal experience.
- Something he learned in science class.

Deshawn is also in Allen's class. To help the class write better arguments, Mr. Tao put Allen and Deshawn's arguments on the board. He asked the class to compare them:

**Allen's Argument:**

*Volcanoes that release very hot magma often have the thinnest magma. The Fernandina Volcano in the Galapagos Islands has magma that reaches temperatures of more than 1,000 °C, and it also has some of the thinnest magma ever discovered. The Fernandina Volcano is a good example because it has high temperature magma that is also very runny.*

**Deshawn's Argument:**

*Volcanoes that release very hot magma often have runny magma. When I visited a gift store in Ecuador they sold lava rocks that had once been magma that flowed all the way to the ocean and cooled. To flow all the way to the ocean, the magma must have been very thin and runny, and I know that Ecuador's volcanoes have some of the hottest magma.*

Q3. Which student, Allen or Deshawn, better supports his or her argument? Why?  
Please write your answer in the box below.

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