

Writing: Volcano 2

Veronica wonders what is related to the power of a volcano's eruption.

Dr. Vermeer visited Veronica's class and explained that he studies volcanoes on islands. Veronica learned that right now he is studying the Hawaiian Islands, and that the volcanic eruptions in the Hawaiian Islands are not very explosive.



Figure 1. *Magma erupting from the Kilauea volcano in Hawaii.*

Veronica learns that the magma in volcanoes can have different temperatures and thicknesses. She also learns that the power of an eruption is related to the amount of pressure built up by the magma inside the volcano. The temperature and thickness of magma can affect how explosive the volcanic eruption is.

Veronica found the table below:

Name of Volcano	Power of Eruption (VEI Scale: 0 to 8)	Average Annual Rainfall where volcano is located	Temperature of Magma	Thickness of Magma
A	6	63 inches	725 °C	Sticky
B	5	47 inches	849 °C	Sticky
C	3	33 inches	1,034 °C	Runny
D	2	52 inches	1,222 °C	Very Runny
E	1	12 inches	1,347 °C	Very Runny

