Name Period Date

# Part B: Silica Content and Volcano Explosiveness (Discovery Education Techbook)

## Section 1

Use “Formation of Volcanoes” Explore Page 1 and look in the “Types of Lava” paragraphs.

1. Viscosity is defined as:
2. Silica makes the lava stickier so lava with higher silica content will have viscosity
3. Magma gets most of its silica from therefore, volcanoes found will have higher Viscosity.

## Section 2

Use the following from Discovery Education Techbook:

* **Formation of Volcanoes** Explore Page 1 and look in “Types of Lava” (don’t worry about Ultramafic)
* **Types of Volcanic Eruptions** Explore Page 1 and look in “Viscosity of Magma”
* **Types of Volcanic Eruptions** Explore Page 2 and look in “Types of Pyroclastic Material”

|  |  |
| --- | --- |
| Magma Property | Type of Lava (Magma Composition) |
| **(Low Silica)****M\_\_\_\_\_\_\_\_** | **(Medium Silica)****I\_\_\_\_\_\_\_\_\_\_\_\_\_** | **(High Silica)****F\_\_\_\_\_\_\_\_\_** |
| **Silica Content (%)** |  |  |  |
| **Viscosity** |  |  |  |
| **Chance to Erupt Explosively** |  |  |  |
| **Melting/Formation****Temperature** |  |  |  |
| **Type of Material from the Volcano** |  |  |  |