

Name: .....

Date .....

# Lava Layering



1. Look down on your volcano (birds eye view) and describe what you see.

Illustrate/map out the different lava flows and add annotations, including observations of flows covering or overlapping other flows.

Indicate direction (which way is north?) and add a scale bar (to show how far the flows have travelled) to your sketch.

A large, empty rounded rectangle with a blue border, intended for the student to draw a bird's-eye view map of the volcano and its lava flows.

2. Did the flows always follow the same path/flow the same direction? (be specific)

An empty rounded rectangle with a blue border, intended for the student to write their answer to question 2.

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3. What do you think influences the direction and path of lava flows?

4. If you had not watched the eruptions, how would you know that there are many different layers of lava?

5. Underline the reasons listed above that could be used to identify real lava layers on Earth.

6. What are other ways to distinguish between older and younger layered lava flows on Earth?

7. Which of the reasons above (from questions 4 and 6) do you think could be used to identify lava layers on Mars?

