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Scientific Method

Ask questions, test the answers, do it again.

That's the process scientists use when they tackle a problem.

Observations lead to a question. Possible answers are called **hypotheses**. You can test these in many ways such as with an experiment, a mathematical analysis, creating a model, and more observation.

Next the scientists **analyze** their results to come to a **conclusion** that supports or rejects their hypothesis.

Sometimes this process leads to new observations which lead to new questions.

Experiments need to be repeatable by other teams to see if they get the same results. A hypothesis that repeatedly is validated (found to be true in testing) can become a scientific theory.

Scientists are always observing, questioning, and repeating experiments to keep learning!



This kit generously
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J-KIT STEM

Volcanoes

Scientific Concept: Volcanology

Recommended Ages: 6 to 12

Scientific Practice: Observation, Inquiry

What to Know About This Kit

Create your very own erupting volcano with this unique no assembly required model. Includes an easy-to-prepare lava recipe, a 13" clear plastic tray and a removable tube that allows for quick clean up. Detailed cross-section shows the inside of the volcano. Also included is The Floor Is Lava game.

Please note: Ingredients for eruption are not included with the kit. Patron will need to supply baking soda, vinegar, red food coloring (optional), and dish soap.

Please note: This kit must be returned to a **staff member** at an **Anchorage Public Library** location.



Kit Contents & Replacement Costs		
Item Type	Description	Cost
Object	Erupting Volcano Model	\$46
Object	The Floor is Lava!	\$23
Book	<i>I'm a Volcano!</i>	\$17
Book	<i>Kaboom! A Volcano Erupts</i>	\$14
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$125

Material not supplied with Kit	
Baking Soda	
Vinegar	
Red food coloring (optional)	
Dish soap	



Please verify all parts are present before returning.