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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!



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Geology Rocks

Scientific Concept: Geology

Recommended Ages: 4 to 10

Scientific Practice: Observation, Inquiry

What to Know About This Kit

This kit includes a set of rocks and fossils to help learn to identify minerals. Have some hands on fun sorting the rocks on the included mineral mat. And try out some of the great experiments for geology.

Please note: contains choking hazards, keep away from children under three years of age.

*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	Bag of polished rocks	\$5
Object	Bag of unpolished rocks	\$5
Object	Box of fossils	\$5
Object	Magnifying Glass	\$5
Poster	Rock identification mat	\$10
Book	<i>Ultimate Rockopedia</i>	\$20
Book	<i>Geology Lab For Kids</i>	\$15
Book	<i>Little Kids First Big Book: Rocks, Minerals, & Shells</i>	\$15
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$105



Please verify all parts are present before returning.