



SCIENCE ON-THE-GO

SCIENTIFIC METHOD

As humans, we are naturally curious. Asking good questions is the catalyst to discovering the best answer. The **SCIENTIFIC METHOD**, a step-by-step process, used to ask and answer scientific questions, is what we use to guide us through this adventure.



- STEP 1 | **ASK A QUESTION**
 - Good scientific questions are well defined and measurable.
- STEP 2 | **FORM A HYPOTHESIS**
 - A **HYPOTHESIS** is an educated guess, which can be tested through experimentation.
- STEP 3 | **DESIGN AND PERFORM AN EXPERIMENT**
 - Good experiments include **VARIABLES** or a quantity that can change or vary, taking on different values, which prove your hypothesis correct or incorrect.
- STEP 4 | **ANALYZE THE RESULTS**
 - Gather and analyze all **DATA**, or information, while performing your experiment, to prove your hypothesis correct or incorrect.
- STEP 5 | **COMMUNICATE THE RESULTS**
 - Clearly communicate your results.