DATE: NAME: CLASS:

GENERAL SCIENCE TOOLKIT

Scientific Inquiry Organizer

BLM G-5

Goal • Understand and follow the steps in a science investigation.

Introduction

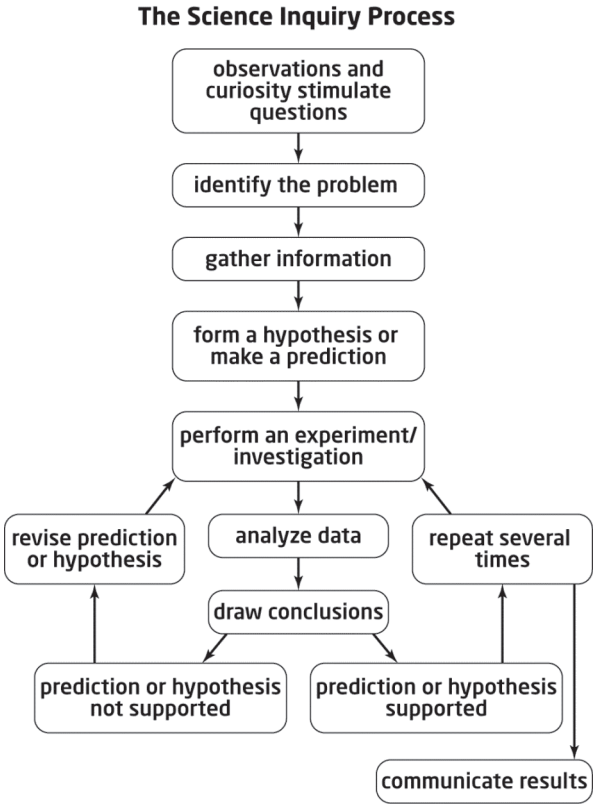
When investigating a science inquiry, scientists follow a systematic procedure. When orderly steps are taken, an investigator can outline precisely how an inquiry's conclusions have been reached.

What to Do

• Use this outline to help you organize your notes on a science inquiry you conduct by yourself.

Outline

Topic: _____



Ask questions about topic of interest.

- What interests me is _____ .
- What I want to learn about this topic is _____ .
- The problem I can explore is _____ .
- Where I can look for more information is _____ .
- How I can explore this problem further is by _____. (Experiment? Interviews? Research?)
- The hypothesis for this inquiry is _____ .
- The equipment and materials I will need to include_____ .
- I will record my findings by _____ . (Notes? Graphs? Tables? Charts?)
- When I will review my inquiry design: _____ .
- When I might revise my hypothesis: _____ .
- Why I might change my design:_____ .
- How I might adjust my design:_____ .
- How I can pace my work to meet due dates: _____ .
- How I will communicate my findings: _____ . (Write-up? Oral presentation? Model? Display?)

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