

# Chapter 2 Tools of the Scientific Method

Name \_\_\_\_\_  
Date \_\_\_\_\_ Per. \_\_\_\_\_

## SECTION 1 Review

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1. List & Describe the steps of the experimental method.
2. Name and explain the importance of three scientific habits of mind.
3. Explain why a hypothesis is not just a guess.
4. Explain how scientists try to answer questions that cannot be tested with experiments.

### CRITICAL THINKING

5. Analyzing Methods Read the description of experiments. Describe the two essential parts of a good experiment, and explain their importance.

6. Analyzing Relationships How can a scientist be both skeptical and open to new ideas at the same time? Write a one-paragraph story that describes such a situation.