

Name: _____ Date: _____

Chapter 1

The Scientific Method

Scientific inquiry is a process scientists use to find answers to questions they have about the world around them. They use the steps in the **scientific method** to design and conduct scientific investigations to explore possible answers.

Steps in the scientific method answer a question.

1. Purpose: What do you want to learn from the experiment?
2. Research: What is already known about the topic?
3. Hypothesis: What do you think will happen in the experiment?
4. Procedure: How will you test the hypothesis and record the results?
5. Analysis: What do the results tell about the experiment?
6. Conclusion: Do the results support your hypothesis?

Test Yourself

- I. A **mnemonic device** is a special word or phrase used to help a person remember something, particularly lists. Create a mnemonic device for the steps in the scientific method.

Steps	Example	Your Mnemonic
Purpose	Peter	P
Research	Rabbit	R
Hypothesis	Hates	H
Procedure	Peas	P
Analysis	And	A
Conclusion	Carrots	C

- II. Write the question asked for each step in the scientific method.

