Name:	Handout #:
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Scientific Inquiry	
Reading Guide	
Chapter 1	
Section 2: pages 13-22	
Please answer the following questions in complete sentences. Reanswer.	state the question in the
1. Define and explain the term scientific inquiry.	
2. A friend claims that ceiling fans are better than air conditioners be faster than the air conditioner. Could you investigate this claim through Explain.	•
3. What kind of data would you need to carry out the experiment you #2?	described in question
1 What is a hypothesis? Explain	
4. What is a hypothesis? Explain.	

5.	What is meant by saying that a hypothesis is testable? Explain.
	Every time you and your friend study for an exam while listening to classical music, both of u do well on the exam. What testable hypothesis can you develop from your observations?
7.	What is a scientific theory? What is a scientific law? Explain.
8.	How do scientific laws differ from scientific theories? Explain.
	Describe one way you use scientific "problem solving" thinking skills in your everyday life. plain.
	Students who conducted the cricket experiment concluded that their results supported eir hypothesis. Can their hypothesis be called a theory? Why? Why not? Explain.