Name	Date	Hour
Biology		
Guided Reading Questions Chapter 1	1-2 The Nature of Scien	oce
1. What is science?		
2. What is the difference between a	theory and a law? Can on	e ever become the other?
3. What is pseudoscience? Give an e	example of a pseudoscient	ific topic.
4. How is pseudoscience different fro	om real science?	
5. What is peer review? What is its p	purpose?	
6. What is meant by the term 'ethics'	'? Why is this important to	o scientists?
Guided Reading Questions Chapter 1-	-3 Methods of Science	
7. How is an observation different fro		
8. What's a hypothesis? According to		ley hypothesize about exercise ar

9. What happens if data does not support a hypothesis?
10. What is the difference between the control group and the experimental group?
11. Define independent variable
12. Define dependent variable
13. What's a constant?
14. What are the two types of data scientists collect during an experiment? Give two examples of each type.
15. How do scientists organize their data? What is the purpose of analyzing the data from an experiment?
16. Examine figure 16, based on the patterns seen in the graph, what do you think the mass of the anole will be at 21 days?
17. Answer the following from the section review on pg 21 a. Why can an observation cannot be an inference