Chapter 2 Reading Assignment: The Scientific Process

Physical Science: Energy

	Name	Period			
Ch 2.1: Inquiry & the Scientific Method					
	e the following terms: Natural law				
b.	Inquiry				
c.	Deduce				
d.	Objective				
e.	Repeatable				
f.	Theory				
g.	Hypothesis				
h.	Scientific method				

2. What is the difference between a hypothesis and a theory?

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Physica	ai Scien	ce: Energy	
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	a. b. c. d.	correct, a scientific theory must be everything except Supported by every part of a large collection of evidence Considered to be unchangeable even if new scientific evidence dis Testable by comparison with scientific evidence An explanation of something that actually occurs within the natur within technology ments & variables	
4	Define	Also following to make	
1.		the following terms: Experiment	
	b.	System	
	C.	Variable	
	d.	Experimental variable	
	e.	Control variable	
	f.	Trial	

2. Explain the difference between experimental variables and control variables.

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	Name	Period		
Ch 2.3: The Nature of Science & Technology				
	e the following terms: Technology			
b.	Engineer			
C.	Prototype			
2. What	is the most important tradition of science?			
3. Scienc	ce and technology are related but they are not the same. What is	the difference?		