Name:	Period:

Chapter 1 – Study Guide

Part	1 – Fill in the blank v	vith the correct vocabul	ary word from the	word bank below.		
1. A _	Hypothesis	is an educa	ted guess based on w	hat you know and observe.		
2. A d	collection of structures, c	cycles, or processes that inte	ract with each other is	s called asystem		
	AScientific Theory is a possible explanation for a repeatedly observe pattern that is supported by observations and results from many investigations.					
4	Infer means to draw a conclusion based on an observation.					
5. A r	rule that describes a patt	ern in nature is called a	Scientific Law	·		
		Word B	ank			
Infer	hypothesis	scientific law	system	scientific theory		
		vith the correct vocabul				
6	_Life Science	is the study o	f living things and hov	v they interact.		
7. A fa	actor that can be change	d during an experiment is ca	lled aVariable	·		
8	3Science is a way of learning more about our natural world.					
9. The	e study of matter and end	ergy is calledPhysical	Science	·		
	Earth Science the study of nonliving thin		study of Earth system	s and systems in space. It is		
		Word B	ank_			
Lif	fe Science scien	ice Earth Scienc	ce variable	Physical Science		

Part 3 – Match the word with the correct definition. 11. C ____Constant A. a variable that is changed during an experiment. 12.___E___Dependent Variable B. the use of science to help people in some way. 13. D Controlled Experiment C. a variable that is not changed in an experiment. 14. A Independent Variable D. involves changing one factor and observing its effect on one thing while everything else remains constant. 15.___B___ Technology E. the variable that changes as a result of a change in the independent variable. 16. F matter F. anything that has mass and takes up space Part 4 – Put the steps of the Scientific Method in order. 17) Step 1 - _____ Ask a Question 18) Step 2 - _____Collect Information_____ 19) Step 3 - _____Form a Hypothesis_____ 20) Step 4 - _____Test Hypothesis – Do an Experiment_____ 21) Step 5 - _____Record and Study Data_____ 22) Step 6 - _____Draw a Conclusion_____ **Word Bank**

Test Hypothesis – Do an experiment

Draw a Conclusion

Ask a Question

Form a Hypothesis

Collect Information

Record and Study Data