Chapter 1 Study Guide - Scientific Method / Characteristics of Life

Know the steps of the Scientific	Method
/P	
	In what format is this usually written?
 variable control 	a. any variable that is not being testedb. the response
3. independent variable	•
4. dependent variable	d. any factor that can change an experiment
5. confounding variable	e. part of the experiment that is not exposed to the variable / standard of comparison
Give an example of a quantitativ	e and qualitative observation
a. qualitative	
b. quantitative-	

5. Review your Controls and Variables Worksheet (Simpsons) you will need to be able to read about an experiment and identify the control, independent variable, and dependent variable.

6. Match the following terms, relating definitions/statements about that cha	•
1. homeostasis	a. can be unicellular or multicellular
2. cells	b. asexually or sexually
3. respond to environment	c. react to stimuli
4. metabolism	d. use raw materials for energy and life processes (chemical reactions within body)
5. grow and develop	e. change within lifetime
6. adapt/evolve	f. maintain a stable internal environment
7. reproduce	g. change over many generations
7. Define and know the following v Biology	•
Hypothesis-	
Unicellular-	
Multicellular-	
Sexual reproduction-	
Stimulus	
Homeostasis-	
Tiomcostasis-	
8. Know and understand the important	ce of Franciso Redi's experiment. Write a brief
explanation of his experiment below and wl	•
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***Keep in mind that this is only a study <u>quide</u>, your packet of work is also a study guide. Review all assignments we have done for this unit!