Name _	 Class	Date

Skills Worksheet

## Study Guide – Ch 2

## MATCHING

WAICHING	
	tter of the description that best matches the term
or phrase.	a. a logical statement about what will
1. control group	happen in an experiment
2. prediction	b. a verbal or graphical explanation for how a system works or how it is
3. physical model	organized
4. risk	c. in an experiment, that which does not
5. conceptual model	receive the experimental treatment d. a three-dimensional model you can
6. value	touch
7. experiment	e. principles or standards considered to be important
8. statistics	f. the probability of an unwanted outcome
9. data	g. information gathered during an experiment
	h. procedure designed to test a hypothesis i. collection and classification of data
MULTIPLE CHOICE Choose the best response. Write t	he letter of that choice in the space provided.
predictions by	to conduct an experiment, scientists test their
<ul><li>a. examining correlation</li><li>b. using a control.</li></ul>	ons. c. testing for one variable. d. remaining skeptical.
11. An essential feature of a. use a control. b. test a single variable	every good experiment is that it should c. graph data. d. Both (a) and (b)
a. remaining skeptical,	include which of the following steps? organizing data, and analyzing data s, being open to new ideas, and communicating
communicating resu	izing, predicting, experimenting, and lts ning, being able to see patterns, observing, and
c. It follows from what	

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Study Gu	uide continued				
14.	14. One of the key habits of mind of scientists is allows scientists to expand the boundaries of what we know.				
	allows scientists to expand to a. intellectual honesty b. imagination	c. replica d. correla	ntion		
15.	A road map is an example of a. graphical model. b. mathematical model.		otual model. al model.		
16.	Statistics are not used by scienal compare data. b. analyze data.	c. gather	data. the above		
17.	In a scientific investigation, large enough to a. reflect the probability of a b. give an accurate estimate c. closely resemble the syste d. All of the above	n unwanted outc	come.	should be	
18.	If you consider what will add in making an environmental value.  a. ethical/moral b. aesthetic		e examining a(n)		
19.	What is the first step in an era. Explore the consequences b. Consider which values ap c. Make a decision. d. Gather information.	nvironmental dec of each option.		odel?	
20.	When you examine a scientidecision, you a. consider what is right or vb. consider what will maintac. use your understanding of d. think about what will provide	vrong. in human health. Tthe natural worl		ental	
21.	Which of the following is a pereating a nature preserve?  a. decrease in habitat destructs an increase in property vac. a restriction of recreations preserve by state officials d. all of the above	ction lues near the pre al activities on pr	serve		