ne	Class	Date	
kills Worksheet	· · · · · · ·		
Concept Review			
ATCHING			
the space provided, write the l m or phrase.	etter of the description	that best matches the	
1. control group		nt about what will happ	
2. prediction		in an experimentb. a verbal or graphical explanation for hor	
3. physical model	a system works or how it is organized		
4. risk	c. in an experiment, that which does not receive the experimental treatment		
5. conceptual model	d. a three-dimension	nal model you can touch	
6. value	e. principles or standards considered to be important		
7. experiment	f. the probability of	an unwanted outcome	
8. statistics	g. information gathe	ered during an experimen	
9. data	h. procedure design	ed to test a hypothesis	
	i. collection and cla	ssification of data	
ILTIPLE CHOICE			
ose the best response. Write t	he letter of that choice i	in the space provided.	
10. When it is not possible predictions by	A Company of the Comp		
a. examining correlationb. using a control.	Ü	for one variable. ng skeptical.	
11. An essential feature of a. use a control. b. test a single variable	c. graph d	ata.	
b. drawing conclusions resultsc. observing, hypothesicating results	organizing data, and ar s, being open to new ide izing, predicting, experi	he following steps? halyzing data eas, and communicating menting, and communi- patterns, observing, and	
13. What is not a description		?	

c. It follows from what you already know about a situation.

b. It is a testable explanation of an observation.

d. It is a guess based on previous experiments.

Name		Class	Date		
Concept	Review continued				
14.	One of the key habits of min				
	allows scientists to expand t		we know.		
	a. intellectual honesty	c. replication			
	b. imagination	d. correlation			
15.	15. A road map is an example of a				
	a. graphical model.	c. conceptual m	nodel		
	b. mathematical model.	d. physical mod			
16	Statistics are not used by sci-	entists to			
	a. compare data.	c. gather data.			
	b. analyze data.	d. All of the abo	NVO		
	D. analyze data.	d. Thi of the abo	700		
	In a scientific investigation, the large enough to	e size of the sample pop	oulation should be		
a. reflect the probability of an unwanted outcome.					
b. give an accurate estimate of the whole population.					
c. closely resemble the system they represent.					
	d. All of the above				
18.	If you consider what will add	to our understanding	of the natural		
	world in making an environm				
	a. ethical/moral	c. environmenta	al		
	b. aesthetic	d. scientific			
	19. What is the first step in an environmental decision-making model?				
	a. Explore the consequences of each option.				
b. Consider which values apply to the issue.					
c. Make a decision.					
	d. Gather information.				
20.	When you examine a scientifi	ic value in making an e	nvironmental deci-		
	sion, you	and and and and and and a			
	a. consider what is right or w	rong.			
	b. consider what will maintain				
c. use your understanding of the natural world.					
	d. think about what will pron				
	Which of the following is a po	ossible short-term cons	sequence of creat-		
	ing a nature preserve?				
a. decrease in habitat destruction					
b. an increase in property values near the preserve					
	c. a restriction of recreational serve by state officials	al activities on private l	and within the pre-		
	d. all of the above				