Nar	ne Date					
D	rirected Reading B continued					
19.	Why do scientists try to test many individuals?					
	So that experimental errors will not give the wrong results in a small sample size or few amount of tests. The results will be more					
	statistically accurate with a large sample size (many individuals)					
20.	What is one way that scientists can support their conclusions?					
	With many other independent trial experiments conducted by other					
	scientists.					
	Then the other scientist's data will also support their conclusions.					
ΛNI	ALYZE THE RESULTS					
۷۱.	How might a scientist organize data in order to analyze them? Scientists will organize the data into charts and graphs.					
22.	What does analyzing the results help a scientist to do?					
	make conclusions based on the data					
DR	AW CONCLUSIONS					
a	23. What did the UV light experiment prove about frog deformities?					
	a. that they can be caused by UV light					
b. that they cannot be caused by UV lightc. that the deformities of frogs in Minnesota were definitely UV light						
24.	Why is proving that a hypothesis is wrong just as helpful as supporting it?					
	The scientist may have to change his question and hypothesis and do a different experiment.					
25.	Finding an answer to a question often leads to _ <mark>a hypothesis</mark>					
CO	MMUNICATE RESULTS					
26.	What are two reasons that scientists share their results?					
	So they can get credit for the research.					
	Also so that other scientists can add more knowledge to the subject area.					

Name		Class		Data
Name Skills V	Worksheet)	Class		Date
_	ected Reading B			
חוופ	ected Reduing D			
Section	on: Tools and Measuren	nent (as. a	0. 25)	
	t do life scientists use tools for?	тепе (рр. 2	0-25)	
m	neasure living things			
	location will graining or			
	DLOGY IN SCIENCE			
	t is technology?	7		
<mark>tha</mark>	ols and machines and electronic devices at were built by engineers based on			
	ientific theories.			
3. What	t are two ways that computers a	nd calculat	ors help	scientists?
	computers help to store and organized the			
	The substitution for the subst			
	t is another way in which scient		nputers?	
	se the internet to communicate the result	<mark>S.</mark>		
Match th	he correct description with the co	orrect term	Write the	letter in the snace
provided	-	meet term.	voince the	retter in the space
b.	5. bounces electrons off the sur specimen to produce a three-		\	. compound light microscope
	image	annension?	X	scanning electron
<mark>e.</mark>	6. passes electrons through a sp	ecimen to,		microscope
	produce a flat image	`	/ \ /	. binoculars
<mark>a.</mark>	7. uses light and lenses to magn	ify small	ΙX	electron microscope transmission
[d]	objects so they can be seen			electron microscope
<mark>d.</mark>	8. focuses a beam of electrons t	o magnify '		

9. is used by scientists to make observations

small objects

from a distance