Investigation and Experimentation

Technology in Science

Name: Period:

Use Chapter 1, Section 3 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them.

	calculations	computers	data	dyes	equations	living things	properly	technology	
Section 3: Tools and Measurement (p.20)									
1.	1. For good scientific work, scientists need to select and use tools								
Technology in Science (p.20)									
2.	. Scientists use new to get information that they could not get before.								
Calculators and Computers (p.20)									
3. Scientists regularly collect large amounts of									
4. Calculators and computers can be used by scientists to make quick and accurate									
of data.									
5. Some calculators and computers can be programed to solve complicated									
6. Scientists use to share data and ideas and to publish reports of their work.									
Binoculars (p.20) - Electron Microscopes (p.21) Read these sections, and look carefully at Figures 1 and 2. Then match the correct description with the correct term. Write the letter in the space provided. a. binoculars c. compound light microscope b. scanning electron microscope d. transmission electron microscope									
7. bounces electrons off something to make a 3-D image									
8. helps scientists make observations from far away									
9. passes electrons through something to make a flat image									
10. uses lenses to magnify small objects so they can be seen after light passes through them									
11. When using a compound light microscope, items the scientist is looking at may be made more visible by coloring them with special									
12	. Because it kil	lls them,			cannot	be looked at wit	h electron m	icroscopes.	
13. What technology would be best for observing the movements of a small living thing? Choose from the a-d list above that you used for questions #7-#10.									
The best technology to use to observe the movements of a small living									
thi	thing would be a If the second s								