Name	Date	Class		
Microscopes and Cells Section Review				
Reviewing Terms On the line provided, write the letter of the term from	om the list that ma	iches each description.		
1. microscope that uses a beam of election of light to examine a sample	ctrons instead	a. cells b. cell theory		
2. name Robert Hooke gave the tiny chambers in a plant	rectangular	c. compound light microscope d. electron microscope		
3. microscope that traces the surface of without using lenses or requiring the be in a vacuum	-	e. scanning probe microscope		
4. set of statements suggesting that all are composed of cells and that all or preexisting cells by cell division				
5. multi-lens microscope that can be living organisms	used to study	yar k		
Reviewing Concepts Complete each statement by writing the correct term	n in the space prov	ided.		
6. Anton van Leeuwenhoek used a microscope	•	water and discovered tiny living		
things he called		ware made of calls		
8. Robert Brown discovered a dark-staining of the	oject near the cen	nter of many cells that is now called		
9. In 1855, Rudolf Virchow proposed that cell				
10. The cell theory states that	a	re the smallest working units of		
living things.	11			
11. The compound light microscope can magni	fy an image up to			
times.				
12. There are two basic kinds of electron micro	scopes—the	electron		
microscope and the	electron	microscope.		

13. Pictures of individual atoms have been produced by _____

microscopes.

lame	Date	Class
Microscopes and Cells Section Review (continued)		
Reviewing Skills Answer each of the following in the space	ce provided. Use complete senten	ces as appropriate.
4. What is the relationship between living things? (Relating)	n the discovery of the microsco	
5. State the three important points		
16. Compare the different kinds of m		ion of your textbook. (Comparing
17. The cell theory states that all li an organism are exactly the san	iving things are composed of ce	lls. Do you think all the cells in ving conclusions)
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