Name_		Date	Hour
Guided	Reading Chapter 7 Section 1 Cell	Discovery and Theory	
1.	Which technology was crucial to the discover	ery of cells?	
2.	Why did Robert Hooke use the term "cellula	ne" to describe his obsen	rvations in the microscope?
3.	What was significant about Anton van Leeu	wenhoek's discoveries ι	using the microscope?
4.	Why are Schleiden, Schwann, and Virchow i	mportant to the discoνε	ery of cells?
5.	List the three principles of the cell theory.		
6.	Turn back to pg 181, what happens to the le increasing magnification.	vel of detail visible as w	ve view the specimen under
7.	Why do scientists stain their specimens with	ı dyes?	
	What are the four types of electron microsc SEM?	opes? What is a disadv	antage of the TEM, or the
0	How do cells differ from each other?		

10.	What three things do all cells have in common?
11.	What are the two categories scientists use to classify cells?
12.	What are organelles? Why are they important to eukaryotic cells?
13.	How are prokaryotic cells and eukaryotic cells similar? How are they different?
14.	How did the development and improvement of microscopes change what we know about living things?
15.	Describe how you would determine whether the cells of a newly discovered organism were prokaryotic or eukaryotic.