	ology	Name:		
ва	acteria and Virus Quiz Review	Date:	Hour:	
1.	How does a prokaryotic cell differ from a e	eukaryotic cell?		
2.	Scientists classify prokaryotes into two king group, then explain how they are different to	from each other:		
	a. Archaebacteria			
	b. Eubacteria			
	c. How are they different?			
3.	Bacteria (Eubacteria) are identified accordi Describe each of these below: a. Shape (all three)	ng to their shape, cell wall	composition, and metabolism.	
	b. Cell wall composition (include how	this relates to a Gram stai	n)	

	c. Descri	be the different types of metabolism of prokaryotes:		
	i.	Photoautotrophs		
	ii.	Chemoautotrophs		
	iii.	Heterotrophs		
	iv.	Aerobes		
	V.	Anaerobes		
4.	Draw and label the three basic shapes of bacteria.			
5.	. How do bacteria reproduce? Describe what happens:			
6.	What is the fu	nction of pili and plasmids in bacteria? Describe what they do:		
	What is the na	ame for the process involving the parts mentioned above?		
	Why is this pr	ocess important?		
7.	What is a viru	s?		

8. Are viruses classified as living or nonliving?			
	What is the evidence for classifying viruses this way?		
9.	What is the main difference between the lytic and lysogenic cycles in viruses?		
	a. Lytic:		
	b. Lysogenic:		
10.	What types of diseases or infections can viruses with a lytic reproductive cycle cause (minimum 4)?		
	a		
	b		
	c		
11.	d Give an example of a disease caused by a virus with a lysogenic reproductive cycle:		
12.	Diagram and label a typical virus (any of the various shapes is OK):		