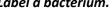
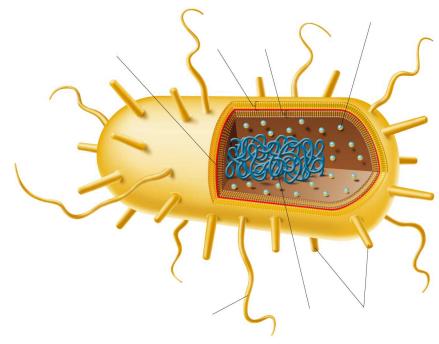
Bacterial Notes Worksheet

Bacteria

 All prol 	karyotes - organisms th	at doe NOT have a			
•	- c	cannot be seen with naked eye.			
 Classifi 	ed into 2 kingdoms:	&			
Archae	e bacteria – old, ancient				
0	Live in	environments			
0		produce methane gas			
0		live in salty environments			
Eubact	eria				
0	o bacteria				
0	Most numerous, live a	almost everywhere			
entifying Bac	cteria				
 Bacteri 	ia can be identified by s	shape, chemical nature of their	, how they move, and how they		
obtain		_			
 Bacteri 	ia Shapes				
О	rod-shaped bacteria				
О		spherical (round) bacteria			
О		spiral or corkscrew shaped bacteria			
	Label a bacterium.				





Importance of Bacteria- bacteria are vital to maintaining the living world

• Some bacteria are ______; produce food through photosynthesis (1st link in food chains)

•	Others are	; they break dov	they break down nutrients in dead matter and				
•	Nitrogen fixation – bacteri	a convert	gas in air to a form plan	nts can use. Bacteria live in			
	nodules in legume plants ()						
Humai	n Uses of Bacteria - our bod	ies are covered in bacteri	a, some harmful, many are not				
•	E. coli bacteria in our intes	tines produce	ce that our body cannot make. Examp				
		relationship.					
•	Use bacteria for making fo	od – cheese and					
•	Archaebacteria are used fo	or purifying	(sewage, oil spill				
Bacter	ial Diseases in Humans						
•	Bacteria produce disease in 2 ways:						
	1. Damage	L. Damage & tissues Ex: strep throat, tuberculosis, bubonic plague					
	2. Produce	Ex: salmonella, botulis	sm				
Prever	nting Bacterial Diseases						
•	v	veakened form of bacteria	a that stimulate the	system to			
	produce	against the dise	ease.				
•	C	ompounds that stop bact	terial growth. Antibiotics work o	only on			
		diseases.					
Contro	olling Bacterial Growth- The	re are various methods us	sed to control bacterial growth				
•	Sterilization – exposure to						
•	Disinfectants	solutions th	nat kill bacteria. Ex:	_ and cleaners			
•	Food Processing	, using pre	eservative chemicals (preservativ	ves)			