Name:		Class:		Date:	ID: A	
Study G	uide for Bacteria,	Viruses and Pro	otists Tes	t		
	rs: Chapters 20 and uld you know?	21				
	structure and function					
				ebacteria and Protista.		
	difference between the	•		•		
	difference between ho	w bacteria, viruses	and protists	reproduce.		
	shapes of bacteria. difference between gr	om nagotive and are	m nocitiva	hootorio		
	difference between ph					
	difference between the	_	_	is and neterotropiis.		
	bacteria causes disea			se.		
	d HIV reproduction.					
	basic classifications o	f protists (section 2)	1.2).			
Know the	structure of the Paran	necium caudatum (p	.503).			
	d the following topics	·				
•	5 0			1 1 0 1	ary fission, conjugation,	
		-			c resistance, nucleic acids, capsid	,
envelope, 1	tail fibers, budding fra	gmentation, pseudo	podia, gree	n algae, gametes, zygo	te and alternation of generations.	
	ing questions provide ling the topics that ar		he concepts	above. Do not memor	rize the questions, but work on	
Multiple (Choice					
-	e choice that best com	pletes the statement	or answer	s the question.		
1.	Some Archaean mol	ecules are more sim	ilar to mole	ecules in		
	a. bacteria.		c.	eukaryotic organisms	·	
	b. viruses.		d.	cyanobacteria.		
2.	Structures found in	pacterial cells but no	ot in eukary	otic cells are		
	a. nuclei.		c.	membrane-bound org	ganelles.	
	b. linear chromoso	omes.	d.	circular chromosome	•	

Organism A

Organism B

Organism C

3. Refer to the illustration above. Organism B has a shape similar to that of

Micrococcus.

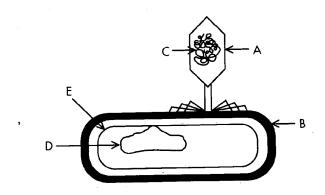
b. Bacillus.

c. Streptococcus.

d. Leptospira.

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	4.	One difference between the cells in a human body and bacterial cells is that bacterial cells have an outer cell wall made up of lipids. o. an outer cell wall made up of carbohydrates and proteins. o. no DNA. d. no ribosomes.						
	5.	One difference between the cells in a human body and bacterial cells is that bacterial cells have an outer cell wall made up of lipids. o. an outer cell wall made up of carbohydrates and proteins. o. no DNA. d. no ribosomes.						
	6.	chemoautotrophic bacteria : inorganic molecules:: a. chemotrophic bacteria : dead organisms b. photoautotrophic bacteria : sunlight c. photosynthesis : nitrogen fixation d. heterotrophic bacteria : photosynthesis						
	7.	 Nitrogen-fixing bacteria a. repair nitrogen-damaged soybean roots. b. damage the environment by using atmospheric oxygen to produce toxic nitrogen compounds. c. convert atmospheric nitrogen into a usable form of nitrogen. d. convert ammonia in the soil into nitrogen gas. 						
	8.	Bacterial cells such as <i>Escherichia coli</i> transfer pieces of genetic material in a process called a. binary fission. c. conjugation. b. mitosis. d. sexual reproduction.						
	9.	Bacteria that cause botulism may survive in canned food for a long time because a. the can was left open. b. some cans may contain viruses that protect the bacteria. c. the bacteria may form endospores. d. sterilized cans do not have enough oxygen to harm the bacteria.						
	10.	The study of viruses is a part of biology because viruses a. belong to the domain Archaea. b. are about to become extinct. c. are living organisms. d. are active inside living cells.						
	11.	Biologists now know that viruses a. are the smallest organisms. b. consist of a protein surrounded by a nucleic acid coat. c. contain RNA or DNA in a protein coat. d. all form the same crystalline shape.						

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 12.	. Refer to the illustration above. Which structure represents protein?							
	a. structure <i>B</i>	c.	structure D					
	b. structure <i>A</i>	d.	structure E					
13.	A pathogen is an agent that is							
	a. beneficial to humans.	c.	harmful to living	orgai	nisms.			
	b. harmful only to plants.	d.	nearly extinct.					
14.	Antibiotics are ineffective against viral infections because							
	a. viruses are protected inside their host cells							
	b. viruses have enzymes that inactivate the antibiotics.							
	c. antibiotics interfere with metabolic proces							
	d. viral protein coats block the antibiotics fro	m e	ntering the virus.					
 15.	Which of the following is <i>not</i> true about some	or al	ll protists?					
	a. unicellular and heterotrophic	c.	multicellular and	autot	rophic			
	b. unicellular and autotrophic	d.	multicellular and j	prok	aryotic			
 16.	Which of the following characteristics did not	evol	ve in the Kingdom	Proti	sta?			
	a. unicellularity	c.	membrane-bound	orga	nelles			
	b. gametes	d.	complex cilia and	flag	ella			
 17.	Algae are							
	a. sometimes heterotrophic.							
	b. always microscopic in size.							
	c. found in fresh water, salt water, and damp							
	d. found only in fresh water.							
 18.	Protists that play an important role in aquatic fe	ood						
	a. plankton. b. lichens.	c.	anchovies.	d.	cyanobacteria.			
 19.	Agar is a product used to grow bacteria. Agar of	come	es from					
	a. bacteria. b. algae.	c.	diatoms.	d.	amoebas.			
 20.	0. When an algal bloom dies, the bacteria that decompose the algae							
	a. deplete carbon dioxide levels in the water.							
	b. kill the plankton population.							
	c. deplete oxygen levels in the water.							
	d. kill fish.							
 21.	The evolution of the plant kingdom can be infe	rred	by studying					
	a. green algae. b. brown algae.	c.	red algae.	d.	dinoflagellates			

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 22. Protists that play an important role in aquatic food webs are called									
	a.	plankton.	b.	lichens.	c.	anchovies.	d.	cyanobacteria	
 23.	Th	e protist that causes	mal	laria reproduce	s in the				
	a.	intestine of a hum	an.		c.	red blood cells	of a hu	ıman.	
	b.	red blood cells of	a m	osquito.	d.	stinger of a mos	quito.		
 24.	Gia	ardiasis is a disease	iasis is a disease that is spread						
	a.	by direct person-t	o-pe	rson contact.	c.	through contam	inated	water.	
	b.	through the air.			d.	by the Anophele	s mos	quito.	
25.	Pseudopodia are used for								
	a.	Paramecium conj		ion.	c.	Euglena reprod	uction		
	b.	movement by amo	oeba	S.	d.	Paramecium mi	tosis.		
26.	What is the advantage of sexual reproduction?								
	a.	Genetic variation			c.	Fast reproduction	on		
	b.	No genetic variati	on		d.	Slow reproducti	on		
 27.	Zo	ospores are							
	a.	produced as a resi	ult o	f meiosis.	c.	produced as a re	esult o	f mitosis.	
	b.	diploid.			d.	all parasitic.			
 28.	Vii	oids are							
	a.	much smaller than	ı vir	uses.	c.	misshapen prote	eins.		
	b.	much larger than	virus	ses.	d.	found in the bra	in.		
29.	Αv	virulent virus is one	that	-					
	a.	has only DNA.							
	b.	has only RNA.							
	c.	reproduces only w	vith	a lysogenic cyc	ele.				
	d.	reproduces only w	vith	a lytic cycle.					