BIOL-12

Name_____

Read Chapter 10 from mutations through prions and answer the questions below. Due Thursday, Nov1, in class, or complete the online version (10 points max).

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

A) transfer	nonucu nito u porypeptia	e is RNA.		1)
ii) transier	B) viral	C) messenger	D) ribosomal	
2) A mutation within	a gene that will insert a pr	emature stop codon in mRN	JA would .	2)
		ion of the next gene begins		_/
	ne effect as deleting a singl			
	ortened polypeptide chair			
D) result in a lo	nger polypeptide chain			
3) What is the smalles	t number of nucleotides th	nat must be added or subtra	cted to change the	3)
	the genetic message?		0	
A) one	B) two	C) three	D) four	
4) What is the ultimat	e source of all diversity?			4)
A) natural selec	-	B) meiosis		·
C) mutation		D) sexual recombin	nation	
5) Mad cow disease is	caused by			5)
A) an enveloped	5			- /
-	oteins called prions.			
C) small circula	r RNA molecules called vi	roids.		
D) a retrovirus s	similar to HIV.			
6) As an experiment.	vou infect bacteria with an	unknown virus to see how	the bacteriophage	6)
	•	ice that the bacterial popula	- 0	
			e e	
	the cells appear healthy. As	ssuming that the infection o	ccurren, what can you	
		ssuming that the infection o	ceurred, what can you	
normally and that t conclude from your		-	ceurred, what can you	
normally and that t conclude from your A) The virus is a	r observations?	ucing the lysogenic cycle.	ccurred, what carryou	
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle		
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a	r observations? a retrovirus that is reprodu a retrovirus that is reprodu	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle		
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep a bacteriophage that is rep	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle		7)
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a D) The virus is a 7) Plant viruses	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep a bacteriophage that is rep	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle roducing the lytic cycle.		7)
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a D) The virus is a 7) Plant viruses A) do not exist,	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep a bacteriophage that is rep	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle roducing the lytic cycle. nals		7)
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a D) The virus is a 7) Plant viruses A) do not exist, B) often use RN	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep a bacteriophage that is rep as viruses attack only anir	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle roducing the lytic cycle. nals		7)
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a D) The virus is a D) The virus is a A) do not exist, B) often use RN C) cause disease	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep a bacteriophage that is rep as viruses attack only anir IA, rather than DNA, as th	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle roducing the lytic cycle. nals heir genetic material		7)
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a D) The virus is a D) The virus is a A) do not exist, B) often use RN C) cause disease D) benefit plant	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep a bacteriophage that is rep as viruses attack only anir IA, rather than DNA, as th es that can be easily cured s, rather than causing dise	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle roducing the lytic cycle. mals leir genetic material		7)
normally and that t conclude from your A) The virus is a B) The virus is a C) The virus is a D) The virus is a D) The virus is a A) do not exist, B) often use RN C) cause disease D) benefit plant	r observations? a retrovirus that is reprodu a retrovirus that is reprodu a bacteriophage that is rep a bacteriophage that is rep as viruses attack only anir IA, rather than DNA, as th es that can be easily cured s, rather than causing dise bacteria as a is to	acing the lysogenic cycle. acing the lytic cycle. roducing the lysogenic cycle roducing the lytic cycle. mals leir genetic material	e.	

9) HIV (human immunodeficiency virus) m	9)	
A) RNA polymerase	B) tRNA	
C) DNA polymerase	D) reverse transcriptase	
10) Which of the following would NOT likeA) a virus that begins to infect peopleB) A virus that is normally harmless	10)	

C) a virus that affects primarily rabbits mutates and infects humansD) a virus harmful to humans that changes very slowly over time

Answer Key Testname: BIOL12_HW8_CH10_VIRUSES_PAPER

- 1) C 2) C 3) A 4) C F) B
 F) B
 F) C
 F) B
 F) B
 F) B
 F) B
 F) D

- 10) D