Name			
Read pdf Ch11 and answer the questions below. Due in class on Thrusday, Oct 26th, in class or you ca MULTIPLE CHOICE. Choose the one alternative that best		ion.	
1) The process by which genotype becomes expressed	d as phenotype is	1)	
A) gene regulationC) translation	B) transcription D) gene expression		
2) Bacterial RNA polymerase binds to the		2)	
A) proto-oncogene	B) promoter		
C) regulatory gene	D) operator		
3) In prokaryotes, the production of a single RNA tra the control of	anscript for a group of related genes is under	3)	
A) transcription factors	B) an operon		
C) enhancers	D) a signal transduction pathway		
4) In an operon, the acts as an on/off switch.			
A) activator B) promoter	C) repressor D) operator		
5) Which of the following turns off transcription by binding to the operator?			
A) RNA polymerase	B) promoter		
C) lactose	D) repressor		
6) Repressors act by blocking the binding of	_ to the operator.	6)	
A) DNA polymerase	B) RNA polymerase		
C) promoters	D) the operon		
7) Which of these plays a role in the regulation of tran- cells?	nscription in both prokaryotic and eukaryotic	7)	
A) transcription factors			
B) RNA splicing			
C) gene operons			
D) attachment of RNA polymerase to the prom	oter		
8) Introns are		8)	
A) expressed DNA sequences			
B) noncoding DNA sequences			
C) the product of RNA splicing			
D) DNA sequences to which activators bind			

9) While examining a human	cell that functions no	rmally, you determine th	nat it has 45 functional	9)	
chromosomes and one chr	omosome that is almo	st completely inactive. Y	ou immediately decide		
that it is very likely that th	is cell				
A) is lacking a chromos	some				
B) came from a normal	human female				
C) is a gamete					
D) will become cancero	ous if one or two more	genes are mutated			
l0) In eukaryotic cells, repress	or proteins inhibit trai	nscription by binding to	•	10)	
A) silencers	B) promoters	C) enhancers	D) operons		