1) \_\_\_\_\_

2)

3)

4) \_\_\_\_\_

5)

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	• •		tion.	
<ol> <li>The process by which genotype becomes expressed</li> <li>A) gene regulation</li> <li>C) translation</li> </ol>	d as phenotype is B) transcription D) gene expression		1)	
2) Bacterial RNA polymerase binds to the			2)	
A) proto-oncogene	B) promoter			
C) regulatory gene	D) operator			
<ol> <li>In prokaryotes, the production of a single RNA transcript for a group of related genes is under the control of</li> </ol>				
A) transcription factors	B) an operon			
C) enhancers	D) a signal transduction pathway			
<ul><li>4) In an operon, the acts as an on/off switch</li><li>A) activator</li><li>B) promoter</li></ul>		D) operator	4)	
5) Which of the following turns off transcription by b A) RNA polymerase C) lactose	pinding to the operator B) promoter D) repressor	r?	5)	

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 transcription in both prokaryotic and eukaryotic7) \_\_\_\_\_

A) transcription factors

B) RNA splicing

C) gene operons

D) attachment of RNA polymerase to the promoter

8)

8) Introns are \_\_\_\_\_. 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 normally, you determine that it has 45 functional				9)	
chromosomes and one chromosome that is almost completely inactive. You immediately decide					
that it is very likely that this cell					
A) is lacking a chromosome					
B) came from a normal human female					
C) is a gamete					
D) will become cancerous if one or two more genes are mutated					
	-				
10) In eukaryotic cells, repressor proteins inhibit transcription by binding to					
A) silencers	B) promoters	C) enhancers	D) operons		

## Answer Key Testname: BIOL12\_HW7\_CH11\_PAPER

1) D 2) B 3) B 4) D 5) D 6) B 7) D 8) B 9) B 10) A