Name: 1. Describe the following terms: gene, intron, exon, satellite, transcription factor.	
1. Describe the following terms: gene , intron , exon , satellite , transcription factor .	
2. Why is post-transcriptional modification of mRNA required?	

3. Match each of the following terms to a structure from the list below. There is only one correct structure for each term and structures may be used more than once. Place the letter of the structure in the blank to the left of the corresponding term.

A. GAUCGUAAA

C. translation

G. CGTCCATTA



D. transcription

H. AGATCGCTC

		NH_2
Ι	0 - - - - - - - - - -	N N N
	on	

K. replication

 NH_2

a pyrimidine nucleotide			
RNA base	e sequence with guanine at the 3' end		
DNA base	e sequence with cytosine at the 3' end		
uridine			
a purine nucleos	ide		
RNA base Leu-Ala-	e sequence complementary to the DNA base sequence which codes for Phe: CTAGCATTT		
2'-deoxya	denosine 5'-phosphate		
	y which mRNA directs protein synthesis ibe the function of a ribosome in protein synthesis.		

5. What is a **chaperone** and why is a chaperone necessary?