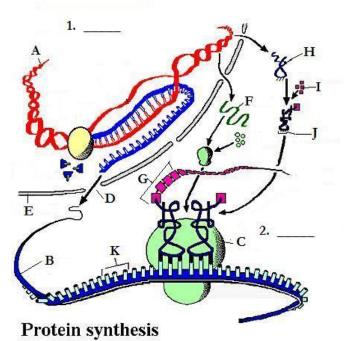
1. Label diagram A.



	(11 marks)
	Name
1.	Transcription/Nucleus
2.	Translation/Cytoplasm
А	DNA
В	mRNA
С	Ribosome
D	Nuclear Pore
F	rRNA
G	Protein/Polypeptide
Н	tRNA
J	Anti-codon
К	Codon

2.	Given th a.	he following ORIGINAL DNA nucleotide sequence: GTA GAG AGT Give the complementary DNA sequence to the above strand. CAT CTC TCA	(1 mark)
	b.	Give the mRNA codons that would be transcribed using the ORIGINAL strand of CAU CUC UCA	DNA. (1 mark)
	с.	Give the tRNA anticodons. GUA GAG AGU	(1 mark)
	d.	Give the amino acid sequence that would be translated from it His - Leu - Ser	(1 mark)
3.	The fou a.	arth nucleotide on the ORIGINAL DNA strand was changed from "G" to "C". Give the mRNA codons that would be transcribed using this mutated strand of DN CAU GUC UCA	A. (1 mark)
	b.	What amino acid sequence would result? His - Val - Ser	(1 mark)
4.	The fır b.	est "T" was deleted on the ORIGINAL DNA strand. Give the mRNA codons that would be transcribed using this mutated strand of DN CUC UCU CA	A. (1 mark)
	a.	What amino acid sequence would result? Leu - Ser	(1 mark)
-	C		.1

5. Given the following amino acid sequence, give a possible **DNA** sequence that could code for the sequence: arginine, cysteine, histidine

TCT ACA GTG.....others possible

(2 marks)