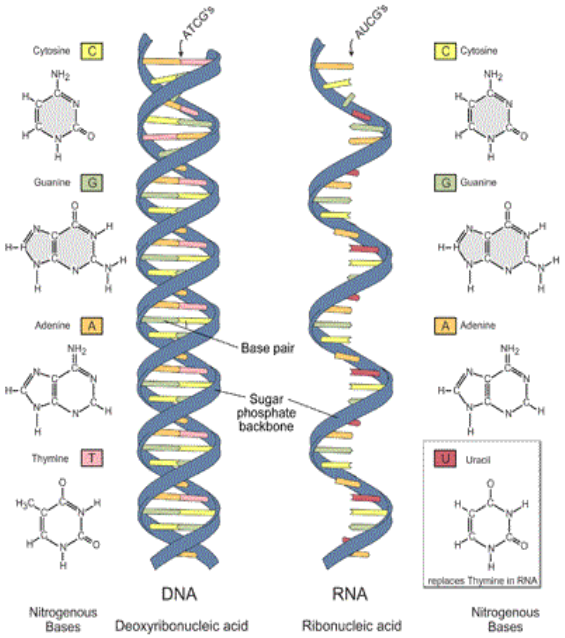
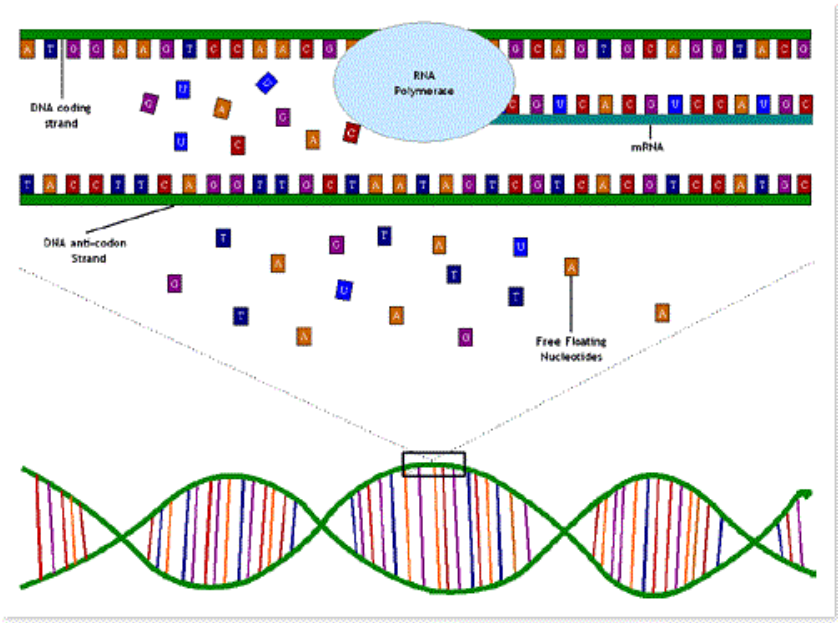
Name _____

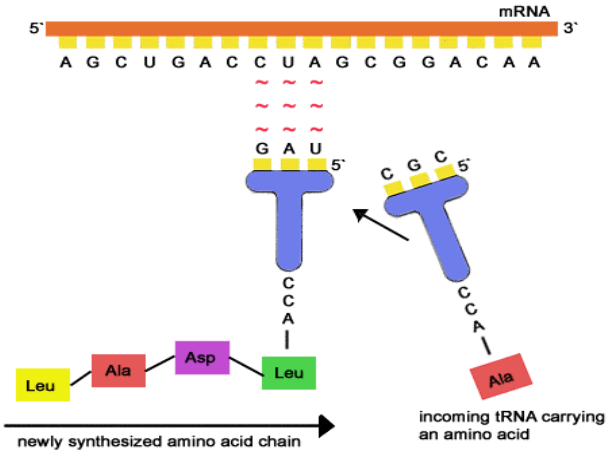
Date _____ Per _____

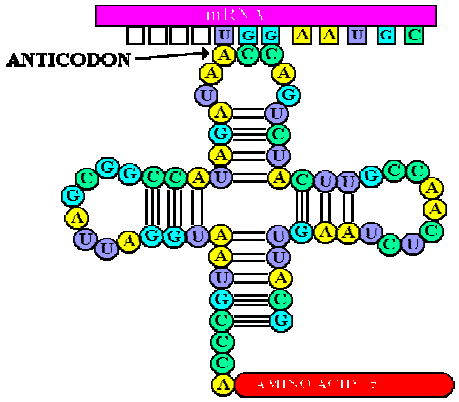
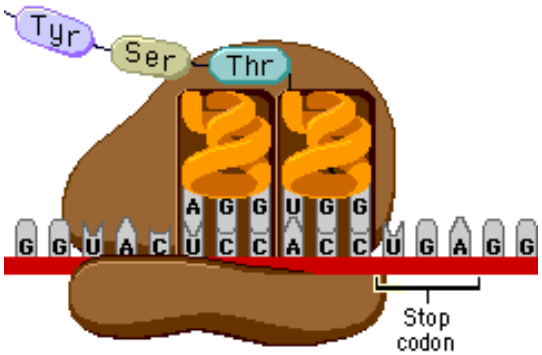
Chapter 10 – How Proteins are Made

Proteins	
Ribosomes	
Difference between DNA & genes	
Structure and function of DNA	
Base-pairing rules	
From genes to proteins	

Differences between RNA and DNA	 Image adapted from: National Human Genome Research Institute.
Transcription	
Translation	
Protein Synthesis	
Translation -1st step of protein synthesis	

RNA polymerase	
Transcription – 3 steps	
Transcription – Step 1	
Transcription – Step 2	
Transcription – Step 3	

Stop signal	
Transcription – where it takes place	
Messenger RNA (mRNA)	
Translation	
Genetic code	
Translation – where it takes place	

Transfer RNA (tRNA)	
Ribosomal RNA (rRNA)	
Ribosome	
7 Steps of Translation Step 1	

Step 2	
Step 3	
Step 4	
Step 5	

Step 6	
Step 7	