<u>Protein Synthesis Review Worksheet</u>

In DNA, adenine binds with	and guanine binds with
2. In RNA, adenine binds with	and guanine binds with
3. Name the 4 nitrogen bases on DNA. Name	the 4 nitrogenous bases in RNA.
4. Transcription takes place in the	; translation takes place in the
5. The building blocks of proteins are	
6. The -RNA is "read" and a protein is as:	
7. The building blocks of proteins are, so another form of RNA is necessary to deliver those building blocks to the site of protein synthesis. This isRNA.	
8. What codon starts protein synthesis?	
9. What codons stop protein synthesis?	
10. <u>1</u> or <u>3</u> codons equal an amino acid?	
11. <u>1</u> or <u>3</u> bases equal an amino acid?	
12. For the strand of DNA listed below write o acids) encoded by the strand. Circle the start	out the RNA strand and the polypeptide (amino codon.
GTAGCGTACAGCTGACG	AACGTGCATTGCGACG
13.Name the amino acid coded for by each of	f these codons:
a. UUA	
b. AUU	
c. UGU	
d. AAA	
e. GAG	
f. UAA	
14. Proteins are synthesized (made) at what o	organelle in the cytoplasm?
15. What would the translation of these mRN	A transcripts produce?
a. UAA CAA GGA GCA UCC	
b. UGA CCC GAU UUC AGC	