Name
Date
Transcription and Translation Worksheet
.List the bases found in DNA:
2. List the complementary base pairing rules for DNA(what pairs with what):
3. What base is found on RNA but not on DNA?
. How many bases are in a codon? In an anticodon?
. How many amino acids are attached to a single transfer RNA?
. Transcription occurs in the; translation occurs in the
7. The process of making RNA from DNA is called and it occurs in the
. The process of assembling a protein from RNA is called and it occurs in he
9. Which organelle is involved in translation?
0. What is the product of transcription?
1. Consider the following DNA strand: Write the sequence of bases for the product of ranscription here. Next, translate the RNA into amino acids to create a polypeptide.
TAC CGT TCT GCT AAA TAT ACC ACT
2. What is the third codon in the mRNA you produced ?
3. What is the function of the following in translation?
Messenger RNA

Ribosomal RNA

Transfer RNA

14. Compare and contrast codon and anticodon.