

**Biology: Protein Synthesis Review Worksheet**

Name \_\_\_\_\_ Per. \_\_\_\_\_

Identify each definition with key terms from this unit.

★ amino acid	★ e-site	★ protein	★ rRNA	★ frameshift mutation
★ anticodon	★ exon	★ p-site	★ splicing	★ polypeptide chain
★ a-site	★ intron	★ purines	★ thymine	★ reverse transcription*
★ codon	★ mG cap	★ pyrimidines	★ tRNA	★ RNA polymerase
★ complementary	★ mRNA	★ ribose	★ transcription	★ RNA processing
★ deoxyribose	★ point mutation	★ ribosome	★ translation	★ tRNA charging
★ DNA	★ polyA tail	★ RNA	★ uracil	

Term	Definition
1.	describes how the nucleotide bases are paired together
2.	include the nucleotide bases adenine and guanine
3.	when a base is substituted for another during pairing, which can change the function of the protein or completely stop it from being made
4.	location on ribosome in which the tRNA leaves
5.	molecule that holds instructions for building a protein
6.	a single strand of linked amino acids
7.	the non-coding parts of the mRNA
8.	organelle responsible for protein assembly
9.	structure that picks up a specific amino acid & delivers it to the growing polypeptide chain
10.	the monomer of a protein
11.	the process of picking up a specific amino acid by its carrier
12.	added to the mRNA for protection
13.	sugar in a DNA nucleotide
14.	location on ribosome in which the peptide bond is added between the amino acids
15.	genetic material that is transferred from parent to offspring
16.	nucleotide that is only found in DNA
17.	process of removing the non-coding parts of the mRNA
18.	joins with proteins to form the ribosomal complex
19.	triplet of nucleotides that checks to ensure the correct addition of the amino acid
20.	structure that joins RNA nucleotides according to DNA base sequence
21.	location on the ribosome where the amino acid arrives
22.	the process of forming the mRNA
23.	added to the mRNA so it can find the ribosome
24.	the process of preparing the mRNA before it leaves the nucleus
25.	the coding sections of the mRNA
26.	insertion/deletion of one or more bases that results in triplet code regrouping
27.	a single strand of coding that directly dictates the amino acid sequence
28.	nucleotide that is only found in RNA
29.	triplet of nucleotides that determines the amino acid
30.	macromolecule that forms an organism's traits