

Skills Worksheet

Vocabulary Review

Complete the crossword puzzle using the clues provided.

ACROSS

1. Like DNA, _____ acid (RNA) is a molecule made of nucleotides linked together.
2. RNA _____ is an enzyme involved in transcription.
3. The type of RNA that carries the instructions for making a protein from a gene to the site of translation is called _____ RNA.
4. The entire process by which proteins are made is called _____ expression.
6. process for transferring a gene's instructions for making a protein to an mRNA molecule
10. a three-nucleotide sequence on the mRNA that specifies an amino acid or "start" or "stop" signal
12. piece of DNA that serves as an on-off switch for transcription
14. long segment of nucleotides on a eukaryotic gene that has no coding information
7. a three-nucleotide sequence on a tRNA that is complementary to one of the codons of the genetic code
8. RNA molecules that are part of the structure of ribosomes are called _____ RNA.
9. RNA molecules that temporarily carry a specific amino acid on one end are called _____ RNA.
11. The _____ code specifies the amino acids and "start" and "stop" signals with their codon.
13. collective name for a group of genes involved in the same function, their promoter site, and their operator

DOWN

1. a protein that binds to an operator and inhibits transcription
5. portion of a eukaryotic gene that is translated
6. a process that puts together the amino acids that make up a protein

