

7.2 Protein Synthesis

Lesson 7.2: True or False

Name _____ Class _____ Date _____

Write true if the statement is true or false if the statement is false.

- _____ 1. The process in which cells make proteins is called protein expression.
- _____ 2. Transcription takes place in three steps: initiation, elongation, and termination.
- _____ 3. Splicing removes introns from mRNA.
- _____ 4. A codon can be described as a three-letter genetic “word.”
- _____ 5. UAG, UGA, AGU, and UAA are the four stop codons
- _____ 6. The anticodon is part of each tRNA molecule.
- _____ 7. Initiation of transcription occurs when the enzyme, DNA polymerase, binds to the promoter of a gene.
- _____ 8. All known living organisms, except some species of primitive bacteria, have the same genetic code.
- _____ 9. Elongation is the addition of amino acids to the mRNA strand.
- _____ 10. Translation always begins at an AUG codon.
- _____ 11. Many proteins are modified in the Golgi apparatus after translation.
- _____ 12. During translation, rRNA brings the amino acids into the ribosome.
- _____ 13. Termination of transcription occurs at a stop codon.
- _____ 14. Transcription uses DNA as a template to make an RNA molecule.
- _____ 15. Translation takes place in a ribosome.