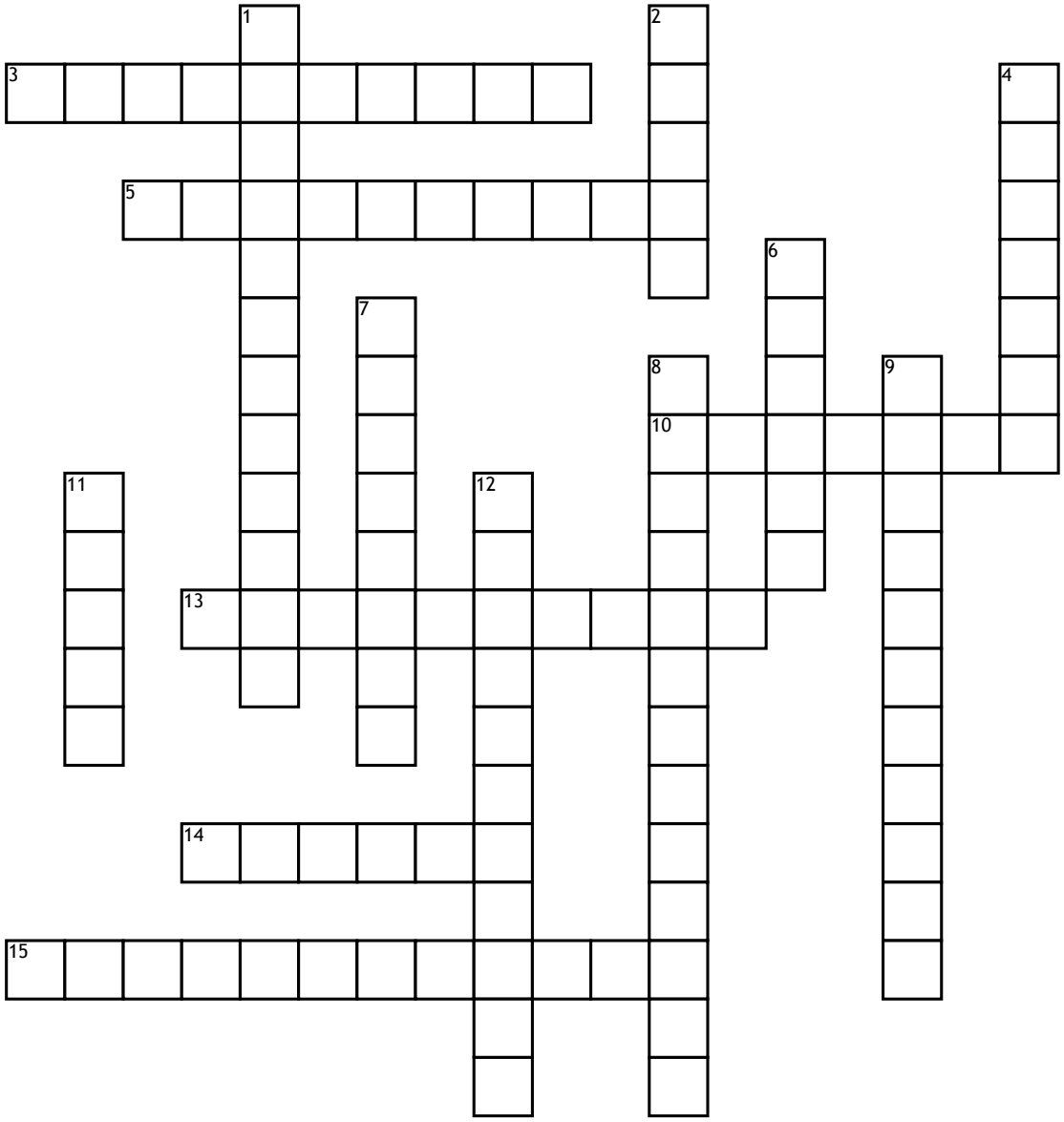
Name: _____ Date: _____ Period: _____

Chapter 14: RNA & Protein Synthesis Test



Across

3. The region of DNA that signals the end of Transcription

5. The step of Transcription in which RNA Polymerase separates the DNA strands and attaches RNA nucleotides in order to create a transcription unit

10. The site where Transcription occurs

13. The step of Transcription in which RNA Polymerase attaches to the promoter sequence on the DNA

14. RNA's sugar

15. The type of RNA that carries copies of instructions from DNA for protein assembly

Down

1. The type of RNA that acts as a structural component of the ribosome

2. The parts of the transcription unit (pre-RNA) that spliced together in order to create mRNA

4. The parts of the transcription unit (pre-RNA) that is removed and discarded in order to create mRNA

6. The nitrogenous base used specifically by RNA (and not DNA) in replacement of Thymine

7. The region of DNA where Transcription is initiated

8. The enzyme that the enzyme decodes DNA to produce mRNA

9. The final step of Transcription

11. A sequence of three nucleotides that code a specific amino acid or stop signal during protein synthesis

12. The type of RNA that carries amino acids to mRNA make proteins during Translation