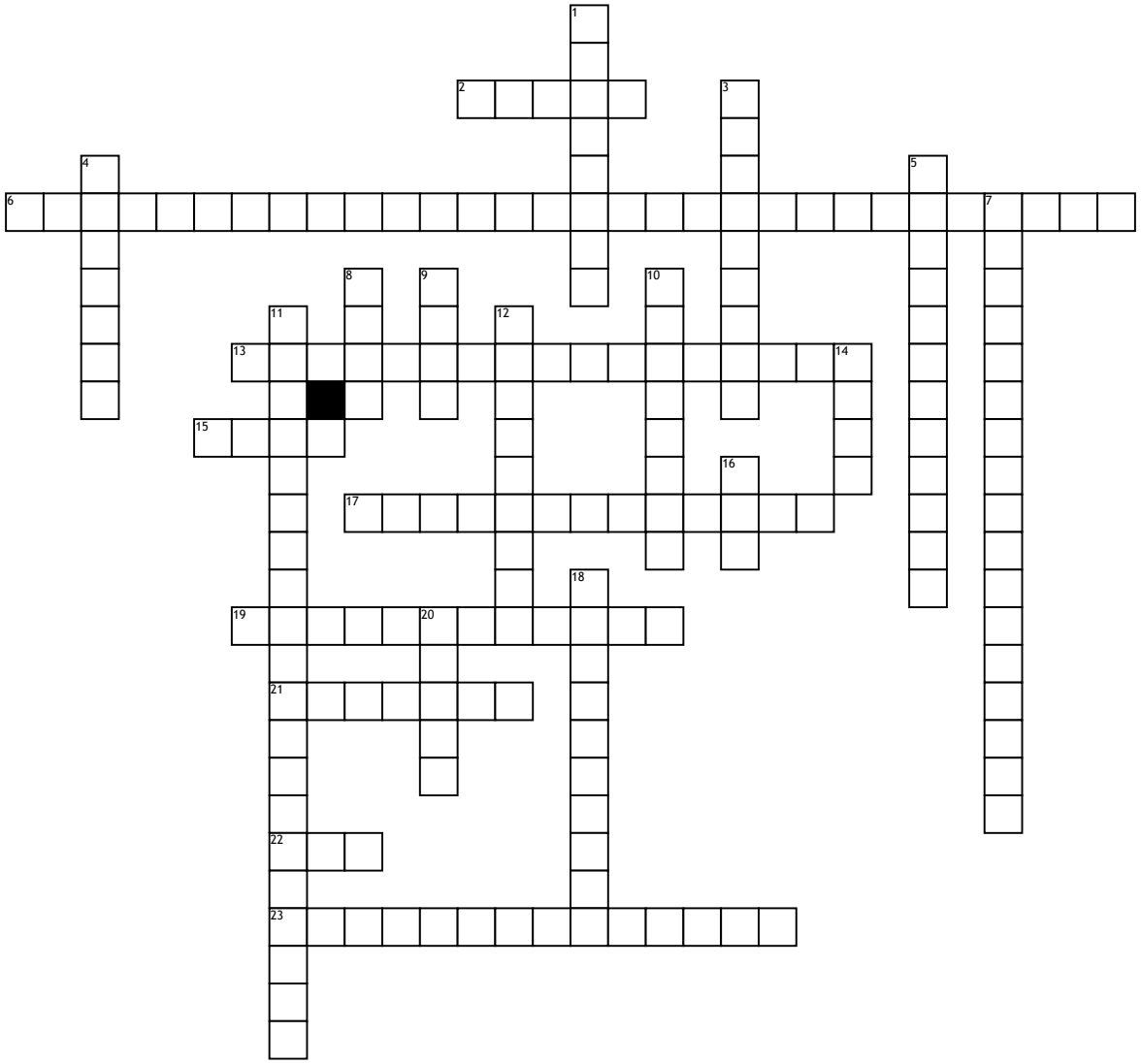
Name: _____ Date: _____

RNA. PROTEIN. PROTEIN SYNTHESIS.



Across

2. series of non-overlapping, three-nucleotide words of mrna
6. completed assembly of transcription factors and rna polymerase II bound to a promoter
13. the stretch of DNA that is transcribed
15. carries copies of instructions for assembling amino acids into proteins
17. pries the dna strands apart and hooks together the Rna nucleotides
19. catalyzes cutting of the pre-mrna and the splicing together of the exons, releasing the intron for rapid degradation
21. noncoding segments of nucleic acid that lie between coding regions
22. start codon
23. provides a template for ordering the sequence of complementary nucleotides in an rna transcript

Down

1. polypeptides that have combined together
3. number of codons
4. nucleotide sequence in the promoter mostly composed of thymine and adenine
5. Polymer of amino acids
7. Initial rna transcript from any gene prior to processing
8. Another component of ribosomes besides proteins
9. the 5' end receives a modified nucleotide
10. the dna sequence where rna polymerase II attaches and initiates transcription
11. mediate the binding of rna polymerase and the initiation of transcription
12. sites of translation
14. Transfers each amino acid to the ribosome
16. stop codon
18. Monomers of proteins
20. coding regions of the nucleic acid that are eventually expressed usually by being translated into amino acids