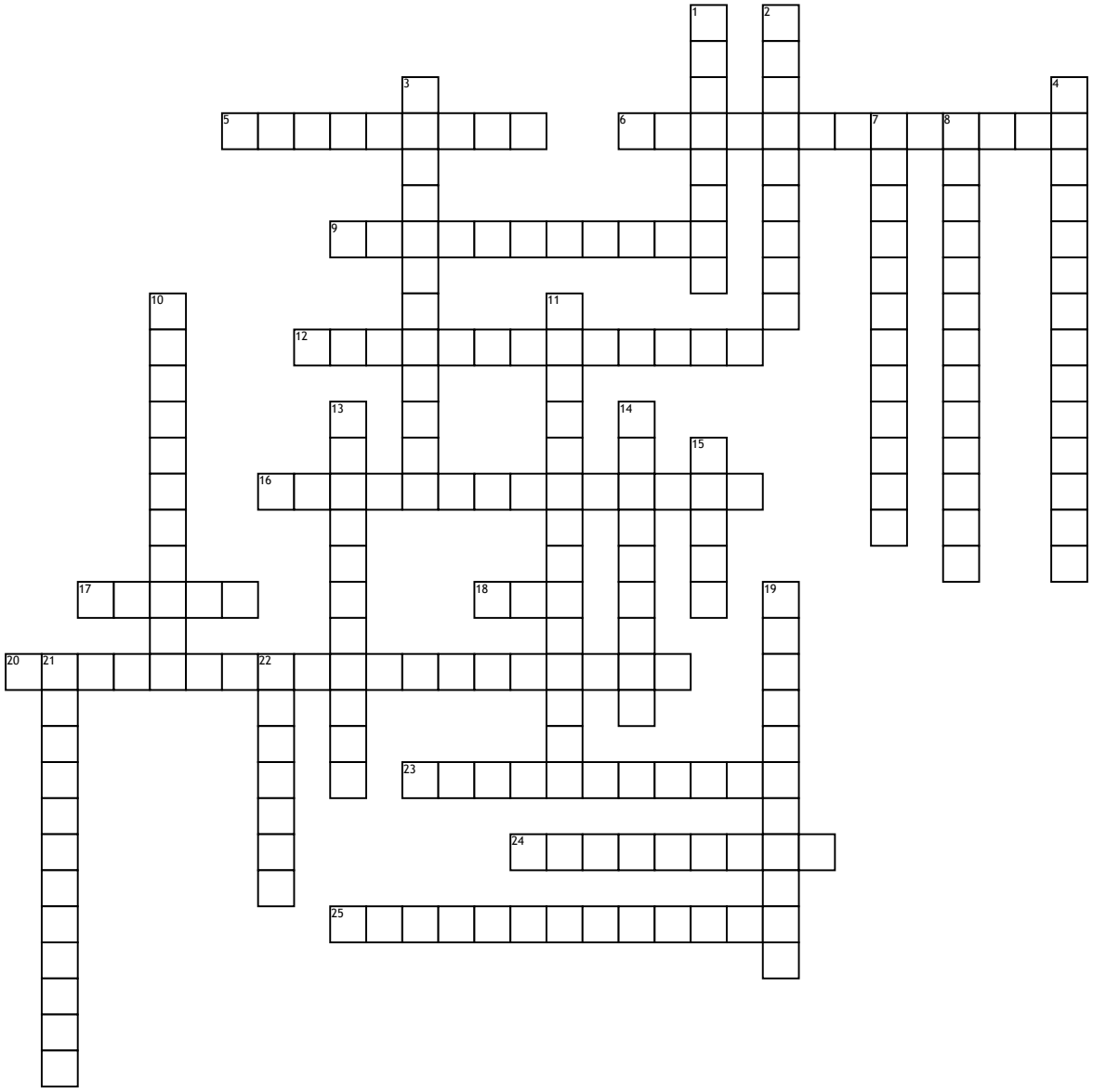
Name: _____ Date: _____

genetics



Across

5. each TRNA molecule has three unpaired bases

6. An enzyme that joins individual nucleotides to produce a new strand of DNA

9. Before cell divides it duplicates its DNA in a copying process

12. Virus that infects bacteria

16. Change harmless bacteria into disease

17. Remaining things to form the final mRNA

18. Nucleic acid that consists of a long chain of nucleotides

20. Insertions and deletions

23. Molecule that transfers each amino acid to the ribosomes

24. Regions of DNA that have a special base sequence

25. Segments of DNA serve as templates to produce complementary RNA molecules

Down

1. chemical or physical agents in the environment

2. Tips of eukaryotic chromosomes

3. Long chains when joining amino acids join together to make proteins

4. the way DNA RNA and proteins are involved in putting genetic information into action in living cells

7. Carry info from DNA to other parts of the cell

8. Enzyme that transcription requires

10. Bases form of language with four letters

11. Gene mutations that involve changes in one or a few nucleotides

13. The decoding of mRNA message into a protein

14. Mistakes in variations

15. Each three-letter word in mRNA

19. A & T & G & C nucleotides

21. Sub units that make small organelles

22. Portions that are cut out and discarded