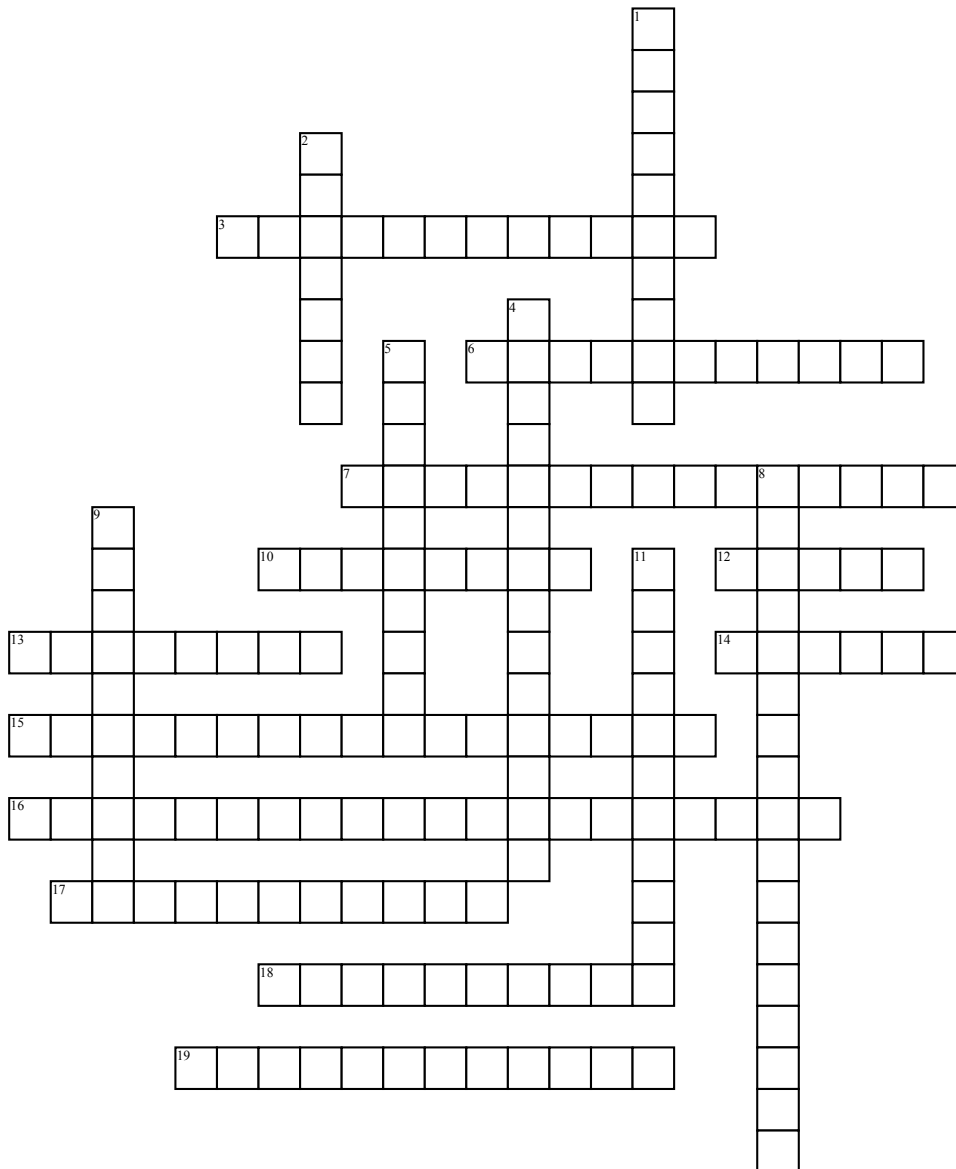


Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

# Chapter 9 Vocab. Crossword



**Across**

- 3. A technique that simultaneously detects more than one DNA marker in a single analysis
- 6. The order of bases on all twenty-three pairs of human chromosomes
- 7. A technique for separating molecules through their migration on a support medium under the influence of an electrical potential
- 10. One -trillionth of a gram, or 0.000000001 gram
- 12. Short tandem repeats located on the human Y chromosome
- 13. Polymers of amino acids that play basic roles in the structure and function of living things
- 14. A short strand of DNA used to target a region of DNA for replication by PCR

- 15. A region of a DNA molecule that contains short segments of three to seven repeating base pairs
- 16. The molecules that carry the body's genetic information
- 17. The synthesis of new DNA from existing DNA
- 18. The building blocks of proteins
- 19. Small structures outside the nucleus that supply energy to the cell

**Down**

- 1. A procedure used to determine the order of the base pairs that constitute DNA
- 2. A substance composed of a large number of atoms. These atoms are usually arranged in repeating units, or monomers
- 4. An unstained object adjacent to an area on which biological material has been deposited

- 5. A repeating unit of DNA consisting of one of four bases- adenine, guanine, cytosine, or thymine- attached to a phosphate- sugar group
- 8. chemical that acts as scissors to cut DNA molecules at specific locations
- 9. A threadlike structure in the cell nucleus composed of DNA long which the genes are located
- 11. Cells from the inner cheek lining