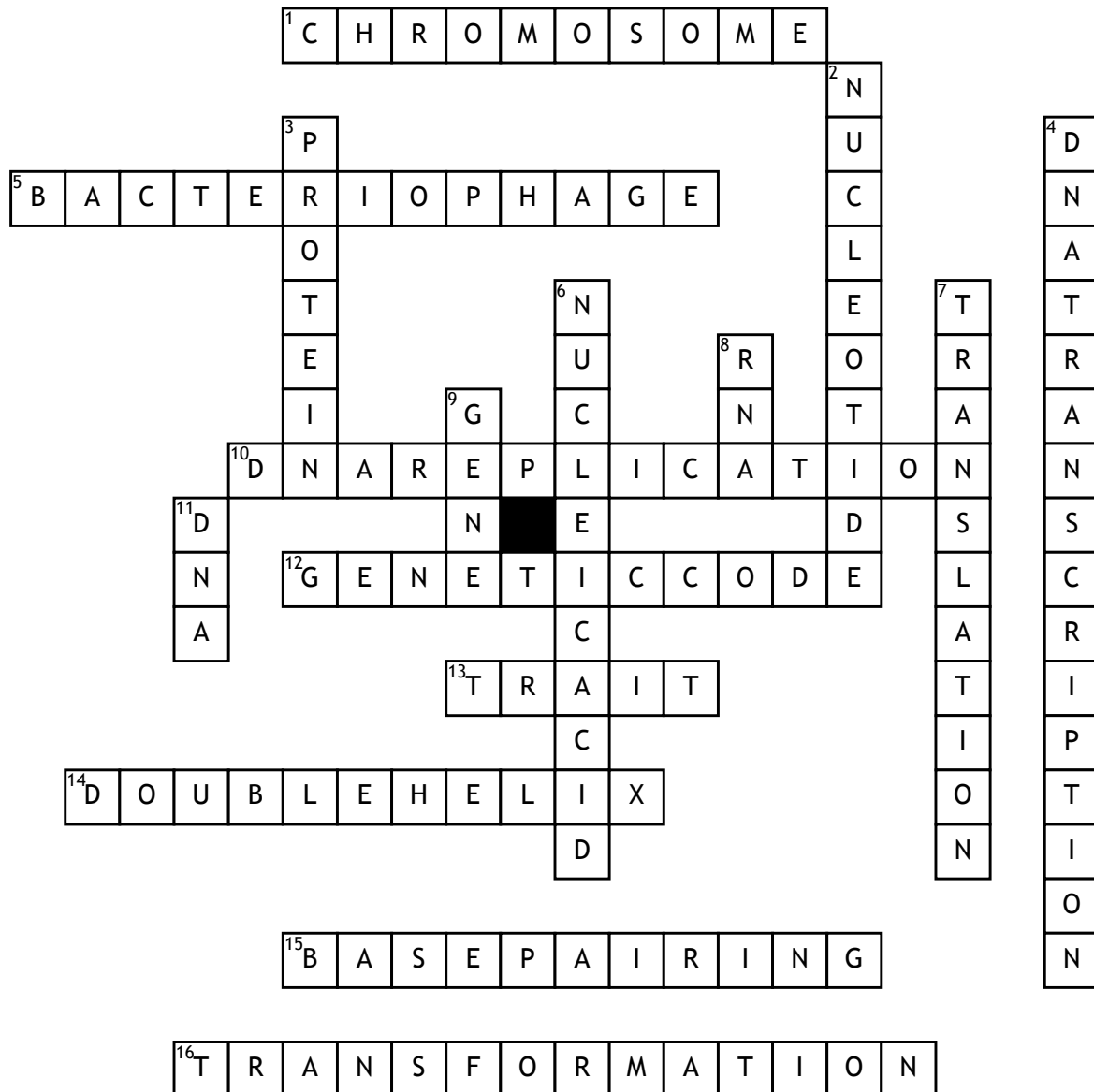


Name: _____

Date: _____

Maria's Marvelous DNA Crossword



Across

1. threadlike structure within the nucleus containing genetic information that is passed from one generation of cells to the next
5. virus that infects bacteria, known as a "bacteria eater" composed of DNA or RNA with a protein coat
10. The process cells use to make copies of DNA during Interphase of the cell cycle
12. rules that tell you what amino acids a gene codes for.
13. A feature of a living thing - like hair color, body type or height - each trait has its own genes (recipes)
14. two strands of nucleotides wound about each other; structure of DNA

15. principle that bonds in DNA can only form only between adenine and thymine and between guanine and cytosine
 16. the process by which one strain of bacteria is changed by a gene or genes from another strain of bacteria
- Down**
2. monomer of nucleic acids made up of a 5-carbon sugar, a phosphate group, and a nitrogenous base
 3. an organic compound that is made of one or more chains of amino acids and that is a principal component of all cells
 4. Process for converting DNA code segment into RNA code
 6. an organic compound, either RNA or DNA, whose molecules are made up of one or two chains of nucleotides and carry genetic information

7. decoding of a mRNA message into a protein chain
8. ribonucleic acid, single stranded nucleic acid that contains a sugar ribose, present in all living cells, acts as a carrier and controls protein synthesis
9. sequence of DNA that codes for a protein and thus determines a trait
11. deoxyribonucleic acid, deoxyribonucleic acid, a self-replicating material present in nearly all living organisms as the main constituent of chromosomes. It is the carrier of genetic information.