

Name: _____ Date: _____ Period: _____

Science Word Match

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| 1. A unit of heredity which is transferred from a parent to offspring | A. traits |
| 2. The passing on of physical or mental characteristics genetically from one generation to another | B. pedigree chart |
| 3. The number and visual appearance of the chromosomes in the cell nuclei of an organism or species | C. homozygous |
| 4. The set of observable characteristics of an individual resulting from the interaction of its genotype with the environment | D. sexual reproduction |
| 5. A genetically determined characteristic | E. punnett square |
| 6. A threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes | F. genetic |
| 7. Relating to genes or heredity | G. offspring |
| 8. The production of new living organisms by combining genetic information from two individuals of different types (sexes) | H. DNA |
| 9. A person's child or children | I. phenotype |
| 10. A self-replicating material which is present in nearly all living organisms as the main constituent of chromosomes | J. chromosome |
| 11. A square diagram that is composed of a grid of usually four boxes | K. heredity |
| 12. A diagram that shows the occurrence and appearance of phenotypes of a particular gene or organism and its ancestors from one generation to the next | L. karyotype |
| 13. Having two identical alleles of a particular gene or genes | M. genes |
| 14. Having two different alleles of a particular gene or genes | N. mutation |

15. When a DNA gene is damaged or changed in such a way as to alter the genetic message carried by that gene

O. heterozygous