

Name: _____ Date: _____ Period: _____

Heredity and Genetics

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| 1. is the passing of traits from parents to offspring | A. DNA |
| 2. a large, complex molecule found in all living things | B. gene therapy |
| 3. characteristics of an organism | C. Genetics |
| 4. offspring by 2 parents | D. Cloning |
| 5. to show how a trait is passed through a generation of a family | E. 46-xx |
| 6. Is a change or mistake in the nucleotide sequence of DNA or RNA | F. Mutations |
| 7. is the study of heredity | G. Sexual Reproduction |
| 8. women | H. Traits |
| 9. men | I. Homozygous |
| 10. if an organism has two of the same kind of gene for a trait | J. t |
| 11. an organism with two different alleles for a trait | K. heterozygous |
| 12. c | L. g |
| 13. a | M. Heredity |
| 14. the process of creating genetically identical organisms | N. Pedigrees |
| 15. the replacement of defective genes with functional copies of the genes | O. 46-xy |