Name: _____ Date: _____

Heredity: Inheritance and Variation of Traits

1. segment of DNA that codes for a trait and is transferred from parent to offspring	A. Homozygous
2. inheritance of traits from parents to offspring	B. Heterozygous
3. change in the DNA sequence caused by the loss of one or more base pairs	C. Chromosome
4. the building blocks of proteins	D. Phenotype
5. change in the DNA sequence caused by the replacement of one or more base pairs	E. Gene
6. a substance that slows or stops the growth of bacteria and other microorganisms	F. Recessive
7. a change in the DNA sequence caused by the addition of one or more base pairs	G. Dominant
8. a permanent change in the DNA sequence of a gene	H. Insertion
9. having two identical alleles for a particular trait	I. Amino Acids
10. the different forms of a gene for a given trait	J. Antibiotic
11. having two different alleles for a particular trait	K. Alleles
12. the physical appearance or characteristics seen in an organism	L. Heredity
13. the process by which DNA is copied	M. Mutation
14. abbreviation for “ribonucleic acid,” which is a type of nucleic acid that plays a role in making proteins	N. DNA
15. a complex of nucleic acids and proteins that make up chromosomes	O. Replication
16. a shape that looks like a twisted ladder	P. Chromatin
17. an abbreviation for “deoxyribonucleic acid,” which is the genetic material passed from parent to offspring	Q. Deletion
18. overriding the effect of a different variant of the same gene	R. Helix
19. the hidden genetic variation evident only when there are two alleles	S. RNA
20. a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes	T. Substitution