Name: _____ Date: _____ Period: _____

Heredity and Genetics

1. The passing of traits from parent to offspring	A. trait
2. A behavior that is inherited	B. chromosome
3. A molecule that contains instructions that code for the traits of an organism	C. gene
4. The manipulation of an organism's genome genetic	D. pedigree
5. creation of offspring by two parents sexual	E. reproduction
6. characteristics of an organism	F. RNA
7. one of two or more alternative forms of a gene that arise by mutation and are found at the same place on a chromosome.	G. mutagens
8. a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes.	H. DNA
9. the haploid set of chromosomes in a gamete or microorganism, or in each cell of a multi cellular organism.	I. engineering
10. a unit of heredity which is transferred from a parent to offspring and is held to determine some characteristic of the offspring.	J. genome
11. An organism with two different alleles for a trait is	K. heredity
12. a square diagram that is used to predict the genotypes of a particular cross or breeding experiment. punnett	L. heterozygous
13. the recorded ancestry, especially upper-class ancestry, of a person or family.	M. alle
14. ribonucleic acid, a nucleic acid present in all living cells.	N. instinct
15. a factor that causes a mutation in genetic material is	O. square