

	Word	Definition	Synonyms
1	non-Mendelian genetics	rules for inheritance that do not follow the laws that Gregor Mendel discovered.	inheritance
2	incomplete dominance	one allele for a specific trait is not completely expressed over its paired	blended
3	multiple alleles	three or more forms of a gene that code for a single trait	blood type
4	codominance	a condition in which neither of the two alleles of a gene is dominant or recessive	together
5	polygenic traits	genetic traits that are controlled by many genes	human height
6	sex-linked gene	a gene that is carried on the X or Y chromosome	gender
7	carrier	a person who has one dominant and one recessive allele for a trait	recessive
8	genetic disorder	an abnormal condition that a person inherits through genes	mutation
9	cystic fibrosis	a genetic disorder that causes the affected person to have excessively thick mucus in their lungs, which makes it difficult for them to breathe	genetic disorder
10	Human Genome Project	an international effort to sequence all 3 billion bases that make up our DNA and to identify within this code more than 20,000 human genes	DNA map
11	genome	all the DNA in one cell	unique DNA
12	pedigree	a family tree that tracks a trait in a family	family tree
13	amniocentesis	a small amount of fluid that surrounds the baby is removed and tested for genetic disorders	genetic test
14	karyotype	the number and appearance of chromosomes in the nucleus of a eukaryotic cell	chromosome picture
15	gene therapy	inserting working copies of genes into the cells of a person with a genetic disorder in an attempt to correct the disorder	fixing genes
16	Down Syndrome	an extra-chromosome genetic disorder; these individuals inherit an extra chromosome #21	Trisomy 21
17	cloning	process of creating an exact genetic replica of an organism	genetic copy
18	biotechnology	changing the genetic makeup of living things to make a useful project	GMO

19	transgenic crops	crop plants that have had a gene inserted into its DNA to give it a beneficial trait; plant varieties that have had one or more genes altered through the use of genetic technologies; also called genetically modified organisms, or GMOs	genetically altered
20	electrophoresis	A process where DNA fragments are separated according to size using electrical charges	DNA testing