



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Gene

Genetics

Genetic disorder

Heredity

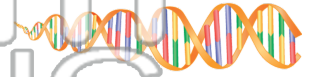
Genetic code

Genetic engineering

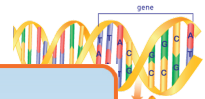
Genotype

Double helix

1. _____ - the twisted ladder-like structure of DNA



2. _____ - the sequence of DNA that codes for a specific trait



3. _____ amino acid

PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

gene

protein

trait

Genetic Code

	C	A	G	
U	Cysteine	Cysteine	Stop	A
C	Proline	Proline	Stop	A
A	Asparagine	Asparagine	Stop	A
G	Glycine	Glycine	Stop	A
U	Uracil	Uracil	Uracil	C
C	Cytosine	Cytosine	Cytosine	C
A	Adenine	Adenine	Adenine	C
G	Guanine	Guanine	Guanine	C
U	Uracil	Uracil	Uracil	A
C	Cytosine	Cytosine	Cytosine	A
A	Adenine	Adenine	Adenine	A
G	Guanine	Guanine	Guanine	A
U	Uracil	Uracil	Uracil	C
C	Cytosine	Cytosine	Cytosine	C
A	Adenine	Adenine	Adenine	C
G	Guanine	Guanine	Guanine	C

4. _____ from the

5. _____ organism

6. _____ - the study of heredity

7. _____ - the genetic makeup of a particular organism

8. _____ - the passing of traits and characteristics from parents to offspring

Parent

offspring

Genotype → Bb

eye color

ear lobe



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Gene

Genetics

Genetic disorder

Heredity

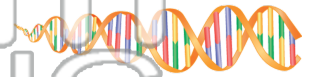
Genetic code

Genetic engineering

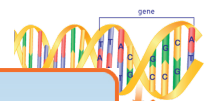
Genotype

Double helix

1. **double helix** - the twisted ladder-like structure of DNA



2. **gene** - the sequence of DNA that codes for a specific trait



3. **genetic code** - the sequence of amino acids



gene

protein

trait

the Genetic Code

	C	A	G	
UUU	Tyrosine	Cysteine	U	U
UUG	Tyrosine	Cysteine	U	A
UUA	Stop	Stop	U	A
UUG	Stop	Stop	U	A
UUU	Uridine	Arginine	U	C
UUG	Uridine	Arginine	U	C
UUA	Uridine	Arginine	U	C
UUG	Uridine	Arginine	U	C
UUU	Asparagine	Serine	U	C
UUG	Asparagine	Serine	U	C
UUA	Asparagine	Serine	U	C
UUG	Asparagine	Serine	U	C
UUU	Aspartic acid	Glycine	U	C
UUG	Aspartic acid	Glycine	U	C
UUA	Glutamic acid	Glycine	U	A
UUG	Glutamic acid	Glycine	U	A

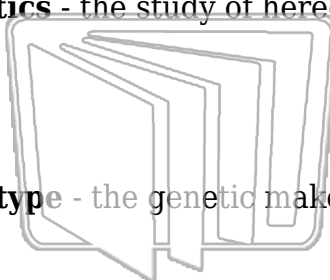
4. **genetics** - the study of heredity

PREVIEW

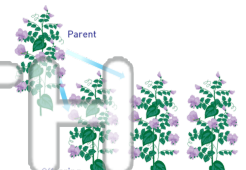
Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

5. **genotype** - the genetic makeup of an organism

6. **genetics** - the study of heredity



7. **genotype** - the genetic makeup of a particular organism



8. **heredity** - the passing of traits and characteristics from parents to offspring

