



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Genetic code

Crossing-over

Dominant allele

Double helix

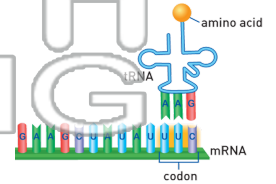
Fertilization

Gene

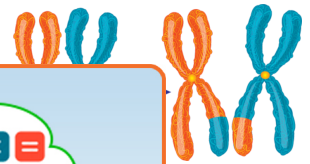
Codon

Genetics

1. _____ - sequence of three nucleotides on messenger RNA that code for the production of a specific amino acid



2. _____ - the exchange of DNA segments between homologous chromosomes; occurs in prophase I of meiosis

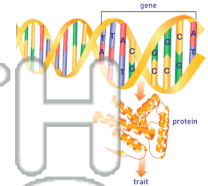


3. _____
4. _____
5. _____ develops combinir

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

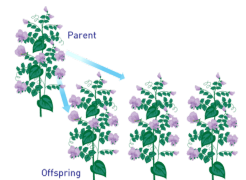


7. _____ - the correspondence between RNA triplets and specific amino acids that are used to form a particular protein

The Genetic Code

	U	C	A	G
U	Phenylalanine	Proline	Alanine	Cysteine
C	Leucine	Proline	Alanine	Alanine
A	Alanine	Threonine	Asparagine	Serine
G	Valine	Alanine	Aspartic acid	Glycine
U	UAG	UAG	UAG	UAG
C	UAG	UAG	UAG	UAG
A	UAG	UAG	UAG	UAG
G	UAG	UAG	UAG	UAG

8. _____ - the study of heredity





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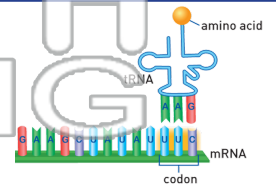
Fertilization

Gene

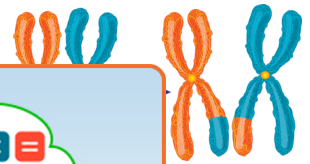
Codon

Genetics

1. **codon** - sequence of three nucleotides on messenger RNA that code for the production of a specific amino acid



2. **crossing-over** - the exchange of DNA segments between homologous chromosomes; occurs in prophase I of meiosis



3. **dominant**

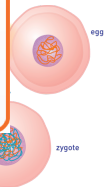


4. **double**

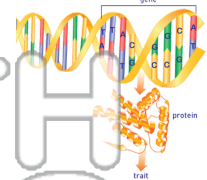


5. **fertilization** develops combined

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



7. **genetic code** - the correspondence between RNA triplets and specific amino acids that are used to form a particular protein

	T	C	A	G
U	Phenylalanine	Serine	Cysteine	Cysteine
C	Leucine	Proline	Stop	Stop
A	Alanine	Asparagine	Serine	Serine
G	Glycine	Glutamic acid	Glutamic acid	Glutamic acid

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

