



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Gene

Fertilization

Genotype

Genetic code

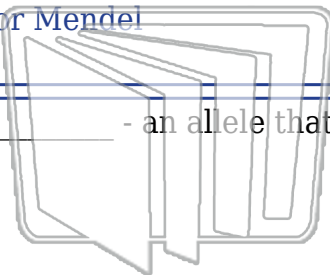
Gregor Mendel

Genetics

Dominant allele

Double helix

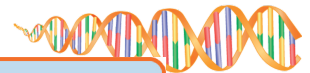
1. _____ - an allele that will always be expressed as a trait



NEW PATH LEARNING



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



3. _____ develops
combin



4. _____

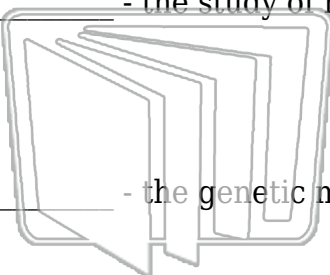
PREVIEW

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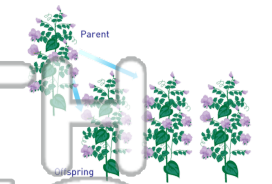
5. _____ amino ac

	C	A	G
U	Phe	Tyr	Cys
C	Pro	His	Pro
A	Thr	Asp	Thr
G	Ala	Glu	Ala
U	Met	Leu	Met
C	Leu	Pro	Leu
A	Ile	Val	Ile
G	Val	Met	Val
U	Phe	Leu	Phe
C	Leu	Ile	Leu
A	Met	Val	Met
G	Val	Leu	Val

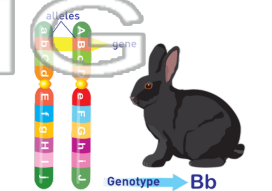
6. _____ - the study of heredity



NEW PATH LEARNING



7. _____ - the genetic makeup of a particular organism



8. _____ - an Austrian monk and teacher who developed the foundation of genetics based on his pea plant studies





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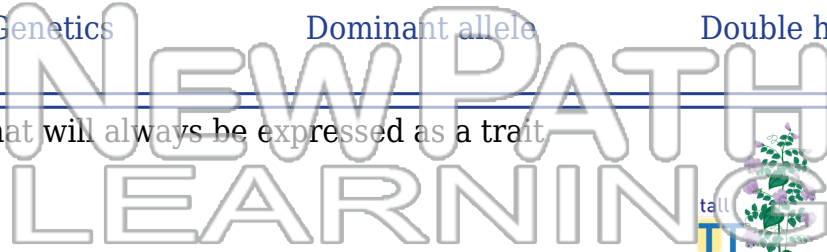
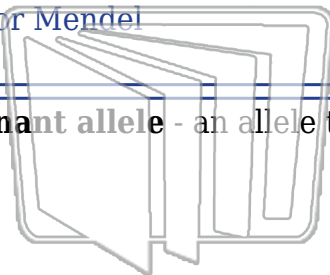
Gregor Mendel

Genetics

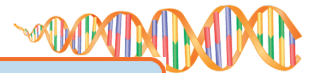
Dominant allele

Double helix

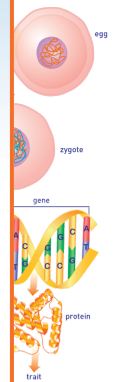
1. **dominant allele** - an allele that will always be expressed as a trait



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



3. **fertilization** - the process by which two gametes fuse to form a zygote



4. **gene** - a segment of DNA that codes for a specific protein

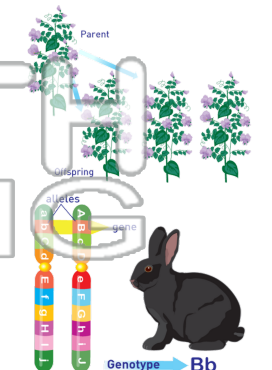
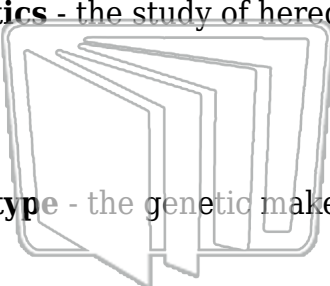
PREVIEW

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5. **genetic code** - the set of rules by which information encoded in genetic material (DNA or mRNA sequences) is translated into proteins (amino acid sequences)

	C	A	G
U	Phe	Tyr	Cys
C	Pro	His	Pro
A	Thr	Arg	Ile
G	Ala	Gly	Met
U	Phe	Leu	Phe
C	Pro	Leu	Leu
A	Thr	Arg	Leu
G	Ala	Gly	Leu
U	Phe	Leu	Leu
C	Pro	Leu	Leu
A	Thr	Arg	Leu
G	Ala	Gly	Leu

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



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

8. **Gregor Mendel** - an Austrian monk and teacher who developed the foundation of genetics based on his pea plant studies

