

4 / 5

DIHYBRID CROSS AND KARYOTYPE QUIZ

Assignments being
collected today!

IN: What word is the closest synonym for *allele*? (trait, phenotype, gene, gamete) for *principle*? (leader, law, standard, expectation)

OBJ: Summarize the concepts of genetics.

NOTES:

ASSIGNMENT: Create a concept map in groups.

OUT:

Creating a CONCEPT MAP about genetics.

A concept map is a tool for showing the vocabulary and ideas that you have learned about a concept, in this case genetics.

In making a concept map you are encouraged to connect ideas in ways which make sense, but have not been identified through class work and studying.

Active participation by all group members will help every group member to know and understand more than he or she did before starting the concept map.

Rules and guidelines for creating a concept map:

- 1. All words must be added BUT a word cannot be added/written without being connected. Words are added one at a time.**
- 2. All words must have at least one connection. The more connections you can make for a word shows deeper/better understanding of that word.**
- 3. As words are added, extra connections are also added.**

genetics

trait

gene

phenotype

genotype

gamete

dominant

recessive

purebred

hybrid

homozygous

heterozygous

law of dominance

law of segregation

law of independent

assortment

genetics
trait
gene
phenotype
genotype
gamete
dominant
recessive
purebred
hybrid
homozygous
heterozygous
law of dominance
law of segregation
law of independent
assortment

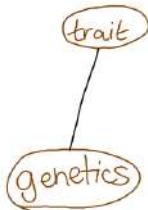
genetics

genetics
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law of segregation
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assortment

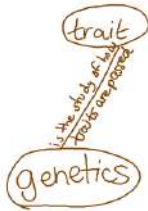
trait

genetics

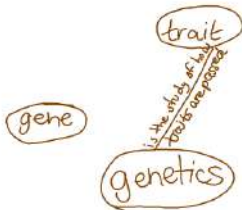
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law of segregation
law of independent
assortment



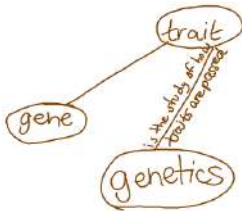
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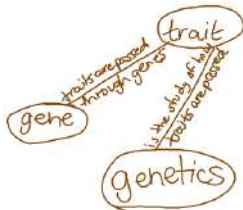
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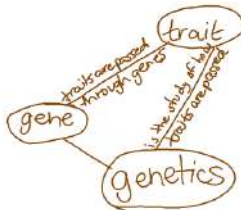
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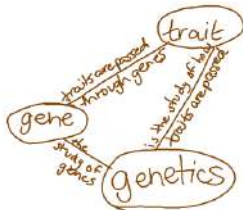
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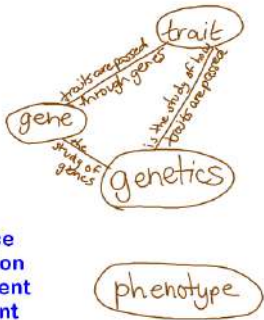
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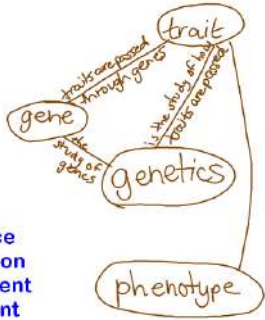
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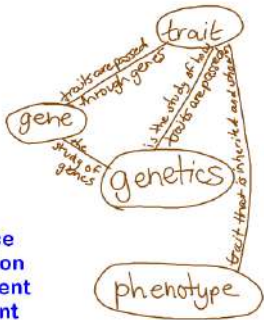
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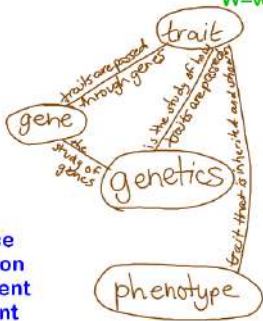
- genetics
- trait
- gene
- phenotype
- genotype
- gamete
- dominant
- recessive
- purebred
- hybrid
- homozygous
- heterozygous
- law of dominance
- law of segregation
- law of independent assortment



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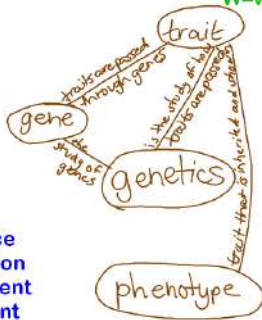


Dog colors: the genes /alleles for color are
 B=black
 W=white

	B	B
W	Bw	Bw
W	Bw	Bw

DOMINANCE
 P=BLACK
 P=WHITE
 F1=

genetics
 trait
 gene
 phenotype
 genotype
 gamete
 dominant
 recessive
 purebred
 hybrid
 homozygous
 heterozygous
 law of dominance
 law of segregation
 law of independent
 assortment

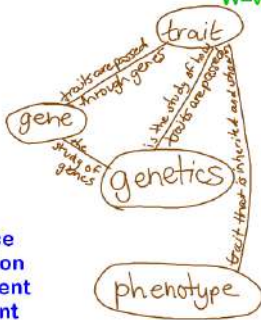


Dog colors: the genes /alleles for color are
 B=black
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	B	B
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W	Bw	Bw

DOMINANCE
 P=BLACK
 P=WHITE
 F1=BLACK

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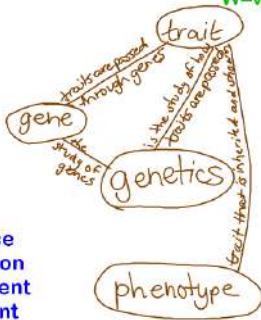
Dog colors: the genes /alleles for color are
 B=black
 W=white

	B	B
W	BW	BW
W	BW	BW

DOMINANCE
 P=BLACK
 P=WHITE
 F1=BLACK

CODOMINANCE
 P=BLACK
 P=WHITE
 F1=

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Dog colors: the genes /alleles for color are
 B=black
 W=white

	B	B
W	BW	BW
W	BW	BW

DOMINANCE

P=BLACK

P=WHITE

F1=BLACK

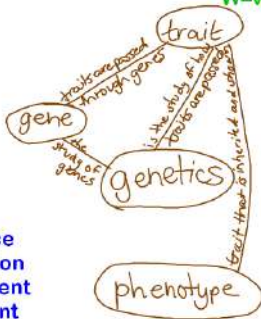
CODOMINANCE

P=BLACK

P=WHITE

F1=SPOTTED

genetics
 trait
 gene
 phenotype
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Dog colors: the genes /alleles for color are
 B=black
 W=white

	B	B
W	BW	BW
W	BW	BW

DOMINANCE

P=BLACK

P=WHITE

F1=BLACK

CODOMINANCE

P=BLACK

P=WHITE

F1=SPOTTED

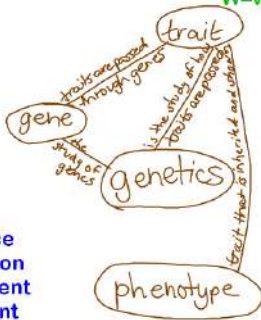
INCOMPLETE DOMINANCE

P=BLACK

P=WHITE

F1=

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Dog colors: the genes /alleles for color are
 B=black
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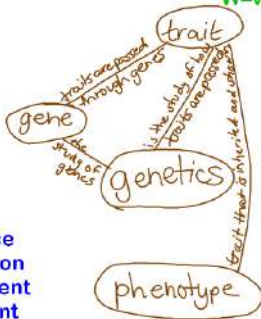
	B	B
W	BW	BW
W	BW	BW

DOMINANCE
 P=BLACK
 P=WHITE
 F1=BLACK

CODOMINANCE
 P=BLACK
 P=WHITE
 F1=SPOTTED

INCOMPLETE DOMINANCE
 P=BLACK
 P=WHITE
 F1=GREY

genetics
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Dog colors: the genes /alleles for color are
 B=black
 W=white

	B	B
W	BW	BW
W	BW	BW

DOMINANCE

P=BLACK pure

P=WHITE

F1=BLACK

CODOMINANCE

P=BLACK both

P=WHITE

F1=SPOTTED

INCOMPLETE DOMINANCE

P=BLACK

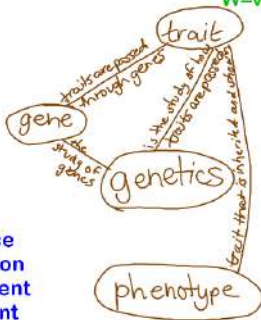
P=WHITE

F1=GREY

blended

genetics
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 gene
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 hybrid
 homozygous
 heterozygous
 law of dominance
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 assortment

codominance
 incomplete dominance
 allele
 true-breeding



Dog colors: the genes /alleles for color are
 B=black
 W=white

	B	B
W	BW	BW
W	BW	BW

DOMINANCE

P=BLACK pure

P=WHITE

F1=BLACK

CODOMINANCE

P=BLACK both

P=WHITE

F1=SPOTTED

INCOMPLETE DOMINANCE

P=BLACK blended

P=WHITE

F1=GREY

OUT: (complete on a separate piece of paper to turn in with your concept map)

Make a list (or write a paragraph) about everything you know about genetics. The concept map was your prewriting or planning for this activity.

Assignments Collected

Meiosis Flip Book

Bikini Genetics Dihybrid Cross Practice

Human Karyotype Activity

Dihybrid Cross Lab

Concept Map and the Summary List or Paragraph