Name ANSWER KEY

Date

Skills Worksheet

Vocabulary Review

In the space provided, write the letter of the description that best matches the term or phrase.

- 1. heredity 2. genetics 3. monohybrid cross
 - 4. true-breeding
- 5. P generation 6. F₁ generation
- 7. F2 generation
- 8. alleles
- 9. dominant
- 10. recessive
- 11. homozygous
- heterozygous
- 13. genotype
- 14. phenotype
- 15. law of segregation
 - __16. law of independent assortment

- a. the alleles of a particular gene are different
- b. the two alleles for a trait separate when gametes are formed
- c. the alleles of different genes separate independently of one another during gamete formation
- d. not expressed when the dominant form of the trait is present
- e. passing of traits from parents to offspring
- f. all the offspring display only one form of a particular trait
- g. the expressed form of a trait
- h. first two individuals crossed in a breeding experiment
- i. physical appearance of a trait
- j. a cross that considers one pair of contrasting traits
- k. offspring of the F₁ generation
- I. when the two alleles of a particular gene are the same
- m. branch of biology that studies heredity
- n. different versions of a gene
- o. offspring of the P generation
- p. set of alleles that an individual has

Name	Class_	Date
Vocabulary Review contin	ued	
Write the correct term from codominance	pedigree	ace next to its definition. Punnett square
incomplete dominance multiple alleles	polygenic trait probability	sex-linked trait test cross
Funnett Square	7. diagram that predicts	s the outcomes of a genetic
probability 19 pedigree 20 Sex-linked trait 21	The likelihood that a solution as family history that s	th a dominant phenotype specific event will occur shows how a trait is inheritated on the X chromosom
endominances	when an individual dis intermediate between two dominant alleles a same time	splays a trait that is the two parents
Hiple alleles 25.	genes with three or mo	ore alleles

	Class Date
Name	
Section: Studying Heredity	A. Walland Children
In the space provided, write the letter each statement or best answers each	of the term or phrase that best completes question.
1. In a pedigree, two normal p	parents produce a child with a genetic ormation, you know that the genetic
disorder is caused by a	
a. sex-linked allele.	c. codominant allele.
 b. dominant allele. 	d. recessive allele.
2. The results of a test cross	are some purple-flowering plants and some
white-flowering plants. Wh	nat is the genotype of the original purple-
flowering pea plant?	
a. PP	
b. pp c. Pp	
d. There is not enough inf	formation.
A 3. In a pedigree, a carrier wo	
a. normal individual.	ALL SO LOP-
b. individual who has a ge	enetic disorder.
c. square.	
d. circle.	4
8. Which of the following is	NOT true of most sex-linked traits?
a. located on the X chron	nosome c. usually recessive
b. located on autosomes	d. usually seen in males
the serviced write the letter	er of the description that best matches the
term or phrase.	
5. homozygous recessive	a. result of a cross between the parents WW and ww
6. 1 WW: 2 Ww: 1 ww	b. result from a cross between the parents
7. Punnett square	Ww and Ww
8. test cross	c. likelihood that an event will occur
9. probability	 d. used to determine the genotype of a purple-flowering pea plant
A 10. all Ww offspring	 e. diagram used to predict the outcome of a genetic cross
	f. good choice of genotype for a test cross to find out the genotype of an individual who might be Ww or WW

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ne space provided, h statement or besi			rase that best completes	
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		uence a trait, the trait is said to be		
a. polygeni		c. codor		
b. incompie	etely dominant	. d. comp	letely dominant.	
			an result in an intermediate	
	s pink snapdra	gon flowers?		
a. multiple			*	
c. codomin	ete dominance			
d. sex-linke				
			color of hydrangea flowers	
a. multiple		of the soil in whic	n they are grown?	
	ete dominance			
c. codomin				
	nental conditio	ons		
A	0.11		***	
4. Which of th	e following ge	netic disorders is o	caused by a sex-linked	
a. sickle ce	ll anemia	c. hemo	ohilia A	
	olesterolemia	111	achs disease	
he space provided.	write the lette	r of the description	that best matches the	
m or phrase.				
5. sickle cell a		a datamaina tha	different ADO blood tomos	
3. sicide cen a	nemia		different ABO blood types	
6. Huntington'	s disease		tated allele that results in	
7. gene therap	47		noglobin protein	
v. gene merap	y	autosome	minant allele located on ar	
8. genetic cou	nseling		A that are arrest a	
9. mutation		disorders	A that can cause genetic	
A MARIANTE			la abant describer 11	
10. multiple alle	eles		le about genetic problems fspring might have	
		# roplaging dafag	tive genes with copies of	

healthy genes, using gene technology