

Genetics Crossword: Chapter 12

Name: _____ Date: _____ Class: _____

Directions: First use the word bank to match the vocabulary with the definitions, and then use this information to complete the crossword puzzle.

<u>Word Bank</u>			
a. genetics	f. alleles	m. segregation	
b. Mendel	g. traits	n. punnett square	
c. parent	h. dominant	o. hybrid	
d. cross	i. recessive	p. pure bred	
e. self	j. genotype	q. phenotype	
f. purple	k. homozygous	r. biology	
g. pea	l. heterozygous		

Across

1. genotype containing two different alleles for a trait
3. diagram used to determine the genetic probability when two parents create an offspring
5. trait that occurs less often in a population
7. physical appearance of an organism
9. all of the alleles (usually expressed as upper or lower case letters) that an organism possesses
11. type of fertilization used to make the F1 generation
13. another word for heterozygous
15. generation of purebred pea plants used to make the F1 generation
17. trait that occurs more often in a population
18. genotype containing two identical alleles for a trait

Down

2. law that explains how alleles for each trait separates when gametes are formed
4. alternate forms of a gene (**WE USE LETTERS**)
6. type of fertilization where one plant fertilizes itself
7. another word for homozygous
8. the study of life
10. the color of all flowers in the F1 generation
12. genetic characteristics passed from parent to offspring
14. the study of how traits are passed from parent to offspring
15. type of plant Mendel used for his genetics experiments
16. scientist who took a mathematical approach to the study of genetics

