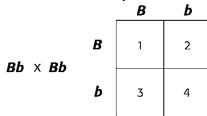
Name	_ Class	Date
Assessment		
Chapter Test		

	-
Menc	lel And Heredity
In the s	pace provided, write <i>T</i> if the statement is true or <i>F</i> if it is false.
	1. Gregor Mendel's pea plant experiments were very important in establishing some basic patterns of inheritance.
	2. Heterozygous individuals have two of the same alleles for a particular gene.
	3. In order for a child to inherit a recessive trait, both parents must be carriers of the recessive gene.
	4. An autosomal trait appears equally in both males and females.
	pace provided, write the letter of the term or phrase that best completes entence or answers each question.
	5. When two different alleles occur together, the one that is expressed is calleda. dominant.b. phenotypic.c. recessive.
	6. An organism that has inherited two of the same alleles of a gene from its parents is for that trait.a. hereditaryb. a mutationc. homozygous
	7. The law of segregation states that a. alleles of a gene separate from each other during gamete formation. b. different alleles of a gene can never be found in the same organism. c. each gene of an organism ends up in a different gamete.
	8. The law of independent assortment applies only to genes that are a. sex-linked.b. located on different chromosomes or are far apart on the same one.c. located on the same chromosome only.

Name		Class	Date			
Cha	apter Test continued					
	b. gives resista	a recessive allele. nce to malaria infe non throughout the				
	a. occurs mostl b. occurs only c. is always fat	ly in males. in females.				
	 11. Which of the following is an example of codominance? a. many different flower colors in plants b. two traits of a character expressed at the same time c. an intermediate or blended flower color in a plant 					
Using	g the word bank below	w, fill in each blank	c provided.			
	alleles	F_1	sex-linked			
	character	probability	traits			
12. W	hen sperm and egg o	cells come together	during fertilization, the resulting			
of	ffspring have two		for each character.			
13. W	13. When two members of the P generation are crossed, the offspring are referred					
to	to as the generation.					
14. D	14. Different forms of a particular character are called					
15. The likelihood that a specific event will happen is called						
	·					
16 A						
16. An inherited feature is called a(n)						
1/.A	17. A gene found only on the X chromosome is said to be a(n)					
		_ gene.				

Name	Class	Date	
Chapter Test continued			

Questions 18–20 refer to the figure below, which shows a cross between two rabbits. In rabbits, black fur (B) is dominant to brown fur (b). In the space provided, write the letter of the term or phrase that best completes each sentence or answers each question.



- _____ 18. The model illustrated above, which is used to organize genetic information, is called a
 - a. Mendelian box.
 - b. genetic graph.
 - c. Punnett square.
 - _____ 19. The fur in both the parents in the cross is
 - a. black.
 - b. brown.
 - c. tan.
 - _ 20. The phenotype (things you can observe) of the offspring in Box 3 would be
 - a. brown.
 - b. black.
 - c. mixed.

Match the words on the left with the statements on the right.

- 21. polygenic character
 22. incomplete dominance
 - ____ 22. Incomplete dominance
- 23. character influenced by the environment
- _____ 24. X chromosome

- a. a fox's fur color changing according to seasons
- b. a character controlled by several genes
- c. leads to intermediate phenotypes
- d. carries most sex-linked genes