Name	Class	Date	
sSkills Worksheet			
Active Readin	ıg		

Section: Mendel's Theory

Read the passage below. Then answer the questions that follow.

Geneticists have developed specific terms and ways of representing an individual's genetic makeup. Letters are often used to represent **alleles. Dominant** alleles are indicated by writing a capital letter. **Recessive** alleles, however, are indicated by writing a lowercase letter.

If two alleles of a particular gene present in an individual are the same, the individual is said to be **homozygous** for that character. If the alleles of a particular gene present in an individual are different, the individual is **heterozygous** for that character.

SKILL: READING EFFECTIVELY

Read each question, and write	your answer in the space	provided.
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1.	How are dominant alleles often represented?
2.	How are recessive alleles often represented?
3.	A particular plant is said to be <i>homozygous</i> for seed color. What does this mean?
4	
4.	Another plant is said to be <i>heterozygous</i> for flower color. What does this mean?

Name	Class	Date				
Active Reading co	ntinued					
•	The allele for yellow peas is dominant to the allele for green peas. How you represent the alleles of a plant that is heterozygous for seed color?					
6. The allele for purple flowers is dominant to the allele for white flow would you represent the alleles of a plant that is homozygous recess flower color?						
7. How would you	represent the alleles of a plant	that is heterozygous fo	or			
flower color?	represent the threnes of a plant					
n the space provide statement.	ed, write the letter of the phrase	that best completes th	ne			
	vith <i>YY</i> alleles for seed color is zygous dominant for this chara					
b. homoz	zygous dominant for this chara	cter.				
	cygous recessive for this character (a) or (b)	cter.				