7 Extending Mendelian Genetics

GETTING READY TO LEARN



Preview Key Concepts

7.1 Chromosomes and Phenotype

The chromosomes on which genes are located can affect the expression of traits.

7.2 Complex Patterns of Inheritance

Phenotype is affected by many different factors.

7.3 Gene Linkage and Mapping

Genes can be mapped to specific locations on chromosomes.

7.4 Human Genetics and Pedigrees

A combination of methods is used to study human genetics.



Review Academic Vocabulary

- dominant recessive phenotype autosome

 1. _____: physical expression of genes
- 2. ______: may be masked by another gene
- 3. _____: chromosomes other than X and Y
- 4. _____: expressed even if only one copy is present



Preview Biology Vocabulary

Try to guess the meaning of each boldfaced word from its context.

PHRASE	MY GUESS
 If a woman is a carrier of red-green colorblindness, she is able to see red and green but her son may not. 	
Human skin color is a polygenic trait that results from the expression of four different genes.	
 Doctors can use a karyotype to see where a patient's chromosome has broken off. 	

JE Gale

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