

Section 1: Chromosomes and Phenotype

Study Guide A

KEY CONCEPT

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

VOCABULARY

carrier	sex-linked gene	X chromosome inactivation
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MAIN IDEA: Two copies of each autosomal gene affect phenotype.

Fill in the blank or circle the word or phrase that best completes the sentence.

1. Sex chromosomes determine an organism's _____. All other chromosomes, which do not directly affect an organism's sex, are called _____.
2. A person who is a carrier differs from a person who has a genetic disorder. A carrier *does* / *does not* show symptoms of a disorder but *can* / *cannot* pass the disorder to offspring.
3. Complete the two Punnett squares below to compare autosomal recessive disorders with autosomal dominant disorders.

Fill in the possible genotypes for offspring, and write in the phenotype (no disorder, carrier, or disorder) for each.

Autosomal Recessive

	<i>D</i>	<i>d</i>
<i>D</i>		
<i>d</i>		

Autosomal Dominant

	<i>D</i>	<i>d</i>
<i>D</i>		
<i>d</i>		

Chromosomes And Phenotype Study Guide

Vivian Manns Null



Chromosomes And Phenotype Study Guide:

Whispering the Secrets of Language: An Mental Quest through **Chromosomes And Phenotype Study Guide**

In a digitally-driven world wherever monitors reign great and quick communication drowns out the subtleties of language, the profound techniques and mental subtleties hidden within words usually move unheard. Yet, situated within the pages of **Chromosomes And Phenotype Study Guide** a charming literary prize pulsating with fresh feelings, lies an extraordinary journey waiting to be undertaken. Penned by an experienced wordsmith, this wonderful opus encourages viewers on an introspective trip, lightly unraveling the veiled truths and profound impact resonating within ab muscles cloth of every word. Within the psychological depths of the emotional evaluation, we can embark upon a heartfelt exploration of the book is core themes, dissect its fascinating publishing design, and yield to the powerful resonance it evokes strong within the recesses of readers hearts.

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