

Study Guide

CHAPTER 11

Section 1: Basic Patterns of Human Inheritance

In your textbook, read about basic patterns of human inheritance.

Use the terms below to complete the passage. These terms may be used more than once.

albinism
heterozygous

alleles
homozygous

cystic fibrosis
pedigree

dominant
recessive

A (1) **PEDIGREE** shows the inheritance of a particular trait over several generations. An organism with two of the same (2) **ALLELES** for a particular trait is said to be (3) **HOMOZYGOUS** For that trait. An organism with two different (4) **ALLELES** for a particular trait is heterozygous for that trait. When alleles are present in the (5) **HETEROZYGOUS** state, the (6) **DOMINANT** trait will be observable. An individual who is heterozygous for a (7) **RECESSIVE** disorder is called a carrier. Examples of recessive genetic disorders in humans are (8) **CYSTIC FIBROSIS** and (9) **ALBINISM**.

In your textbook, read about recessive and dominant genetic disorders.

Complete the table by writing the disease name for each description.

albinism
galactosemia

achondroplasia
Huntington's disease

cystic fibrosis
Tay-Sachs disease

Disease	Description
10. ALBINISM	caused by altered genes; results in lack of skin pigment
11. GALACTOSEMIA	recessive genetic disorder; characterized by body's inability to tolerate galactose
12. TAY-SACHS DISEASE	recessive genetic disorder; gene found on chromosome 15; characterized by lack of enzyme that breaks down fatty acids
13. CYSTIC FIBROSIS	recessive genetic disorder; affects mucus-producing glands, digestive enzymes, sweat glands
14. HUNTINGTON'S DISEASE	dominant genetic disorder; affects the nervous system
15. ACHONDROPLASIA	autosomal dominant genetic condition; affects height and body size

Inheritance Patterns And Human Genetics Study Guide

Rosina Ehmman



Inheritance Patterns And Human Genetics Study Guide:

Unveiling the Power of Verbal Artistry: An Mental Sojourn through **Inheritance Patterns And Human Genetics Study Guide**

In some sort of inundated with screens and the cacophony of fast conversation, the profound energy and mental resonance of verbal beauty usually fade in to obscurity, eclipsed by the regular assault of noise and distractions. However, situated within the lyrical pages of **Inheritance Patterns And Human Genetics Study Guide**, a interesting work of fictional splendor that pulses with natural feelings, lies an unforgettable journey waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this magical opus guides viewers on an emotional odyssey, lightly exposing the latent possible and profound influence embedded within the complex web of language. Within the heart-wrenching expanse of this evocative examination, we shall embark upon an introspective exploration of the book is central subjects, dissect its fascinating writing style, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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5.5 - Hypothesis Testing for Two-Sample Proportions We are now going to develop the hypothesis test for the difference of two proportions for independent samples. The hypothesis test follows the same steps as ...

Two-Sample t-Test | Introduction to Statistics The two-sample t-test is a method used to test whether the unknown population means of two groups are equal or not. Learn more by following along with our ...

1.3.5.3. Two-Sample *t*-Test for Equal Means Purpose: Test if two population means are equal, The two-sample t-test (Snedecor and Cochran, 1989) is used to determine if two population means are equal.

2 Sample t-Test (1 tailed) Suppose we have two samples of ceramic sherd thickness collected from an archaeological site, where the two samples are easily distinguishable by the use of.

Two sample t-test: SAS instruction Note that the test is two-sided (sides=2), the significance level is 0.05, and the test is to compare the difference between two means ($\mu_1 - \mu_2$) against 0 (H_0 ...