

Name

Period

Date

SECTION

6.3

MENDEL AND HEREDITY

Power Notes

CHAPTER 6
Meiosis and Mendel

Mendel's Experiments

Three key choices:

-
-
-

Pea plant characteristics:

-
-
-
-
-
-
-

Cross:

- P
- F₁
- F₂

Results:

Conclusions:

-

Law of segregation:

-
-

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6.4

TRAITS, GENES, AND ALLELES

Power Notes

CHAPTER 6
Meiosis and Mendel

Gene:	
Allele:	
Genome:	Symbols:
Genotype:	
Homozygous:	Dominant:
Heterozygous:	Recessive:
Phenotype:	

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SECTION

6.5

TRAITS AND PROBABILITY

Power Notes

CHAPTER 6
Meiosis and Mendel

Punnett Square

- Axes:
- Grid boxes:

Ratios:

-
-

Monohybrid cross:

Testcross: _____

Dihybrid cross:

Ratios:

-
-

Law of independent assortment:

Probability:



Power Notes

CHAPTER 7

Extending Mendelian Genetics

SECTION

7.2

COMPLEX PATTERNS OF INHERITANCE

Power Notes

Complex Patterns of Inheritance

Incomplete dominance:

Codominance:

Multiple alleles:

Polygenic traits:

Epistasis:

Interaction of environment and genotype:

SECTION

7.4

HUMAN GENETICS AND PEDIGREES

Power Notes

Sex-Linked Disorders

Males:

Females:

A pedigree chart is:

Tracing Autosomal Genes

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•

•

•

Tracing Sex-Linked Genes

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•

•

•

•

A karyotype is:

A karyotype shows: