

Name: _____ Block: _____ Date: _____

Mendelian Inheritance Notes

The scientist who discovered principles of genetics _____

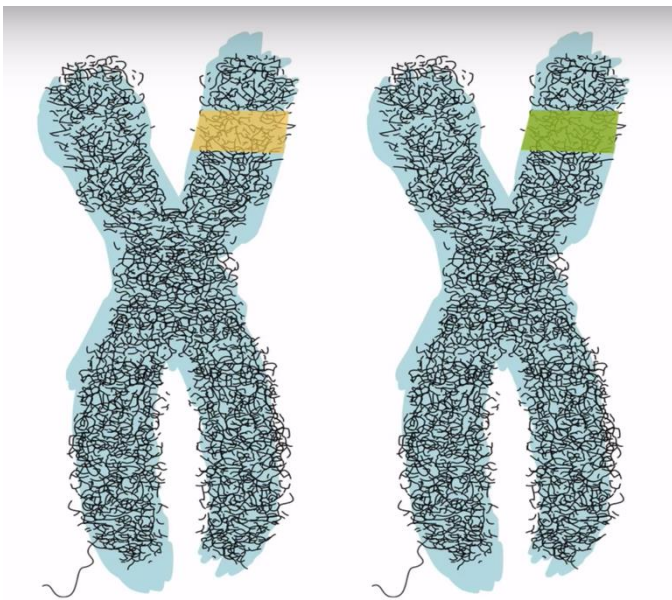
The model organism he studied _____

What happens to the green pea color in the F1 generation? _____

What happens the green pea color in the F2 generation? _____

Why does this happen? Dominant alleles mask _____

Genes and Alleles



Gene: _____

Allele: _____

For every gene, you get _____ alleles because you

have a set of _____

from your mom and dad.

Writing Alleles

When you write alleles:

The letters for DOMINANT alleles are _____

The letters for recessive alleles are _____



Name each genotype _____

Describe the alleles _____

Pea Pods

Scenario: In pea pods, green colored pea pods are dominant and yellow is recessive

Genotype: _____

Phenotype: _____

Label the phenotype of each genotype shown below:

GG

Gg

gg

Assuming tallness is dominant, what would the genotype look like for a man who is homozygous for tall? What are the possible gamete combinations?

What would the genotype look like for a woman who is heterozygous for tall? What are the possible gamete combinations?