

Lesson 2 Understanding Inheritance (continued)

Main Idea**Modeling Inheritance**

I found this information
on page _____.

I found this information
on page _____.

Details

Analyze the possible offspring of two true-breeding plants, one with two dominant alleles for yellow seeds (Y) and one with two recessive alleles for green seeds (y). Predict the percentage of offspring that will have each possible genotype and phenotype.

		Yellow seeds	
		Y	Y
Green seeds	y		
	y		

Genotypes:

YY _____ %

Yy _____ %

yy _____ %

Phenotypes:

Green seeds _____ %

Yellow seeds _____ %

Complete a Punnett square to show the possible offspring of two heterozygous plants, each with genotype Yy. Then predict the percentage of offspring that will have each genotype and phenotype.

		Yellow seeds	
		Y	y
Yellow seeds	Y		
	y		

Genotypes:

YY _____ %

Yy _____ %

yy _____ %

Phenotypes:

Green seeds _____ %

Yellow seeds _____ %

SUMMARIZE IT

Rephrase the main ideas of the above section.