5.3 Punnett Squares and Mendel's Laws

Part I: Punnett Squares

Passing of genetic information (genes) from parent to offspring.			
Chromosome vs. Gene vs. Allele			
Chromosome	Gene		Allele
Phenotype vs. Genotype			
Combination of two alleles found in an		Physical appearance of an	
organism's chromosomes		organism's alleles	
Dominant Allele vs. Recessive Allele			
Allele that will always be expressed (show up) in an organism's phenotype		Allele that will only be expressed with no dominant alleles are present; masked by	
(Does NOT mean more common!)		dominant alleles	
Symbolized with:		Symbolized with:	
Heterozygous Genotype vs. Homozygous Genotype			
means same		means different	
Combination of two alleles where both are either dominant or recessive		Combination of two alleles where one is dominant and the other is recessive	
Symbolized as:		Symbolized as:	
		<i>.</i>	

Punnett Squares:

