Pre – AP Biology

Mendelian Genetics (5.1)

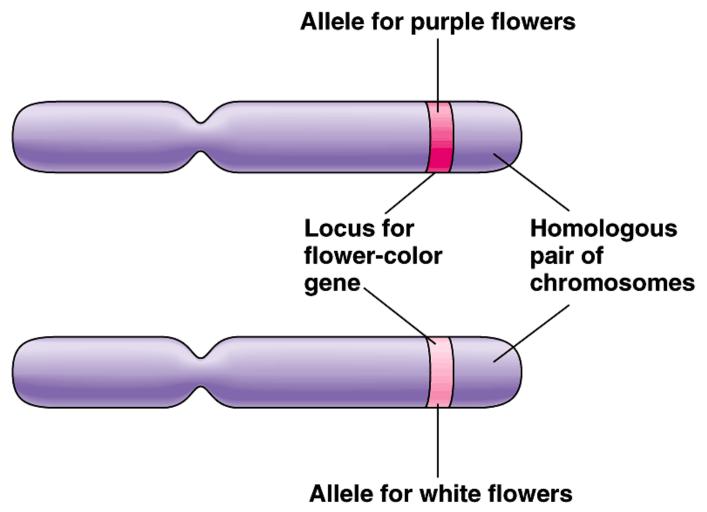
Gregor Mendel



Character and Trait

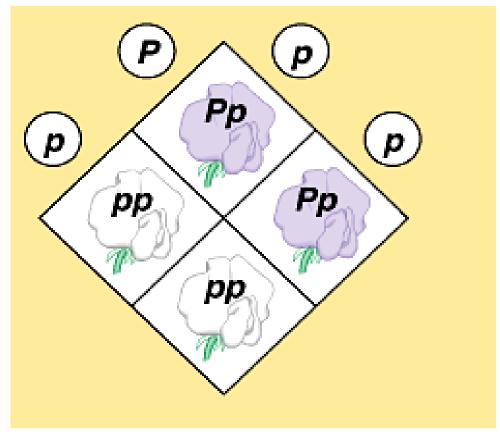


Alleles – different versions of a gene. Both genes code for flower color.



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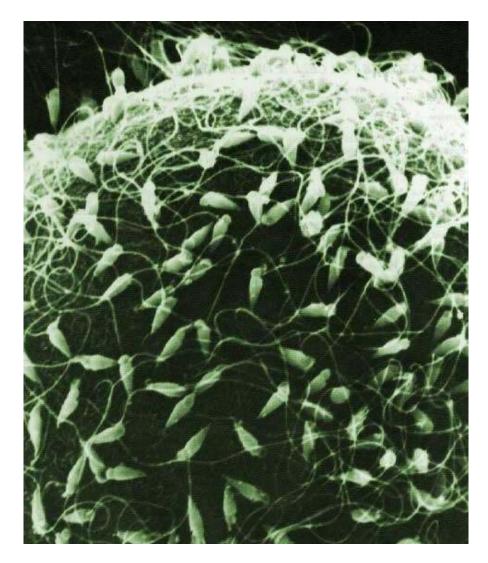
Need 2 Alleles to make a trait



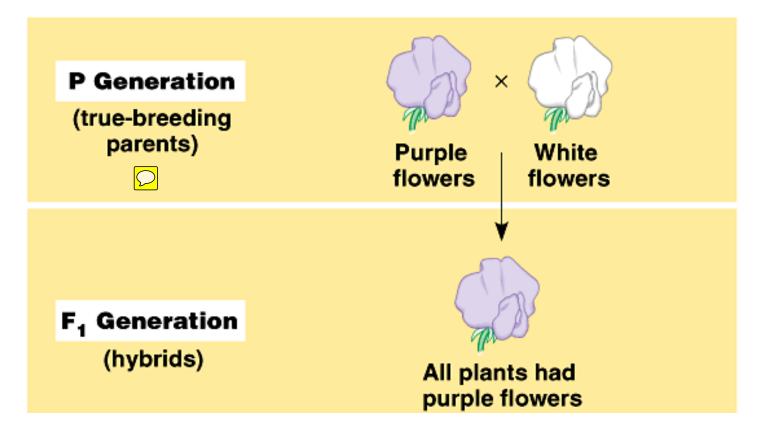
Cummings.



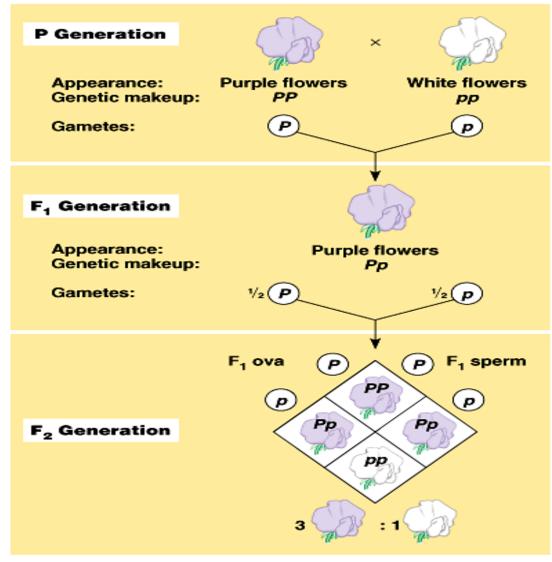
One from EACH parent Sperm AND Egg



True breed versus hybrid



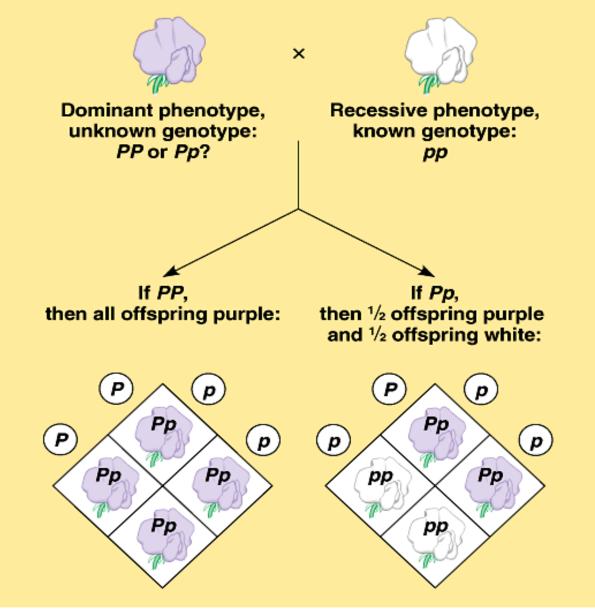
Phenotype vs. Genotype Physical Trait vs. Gene allele type



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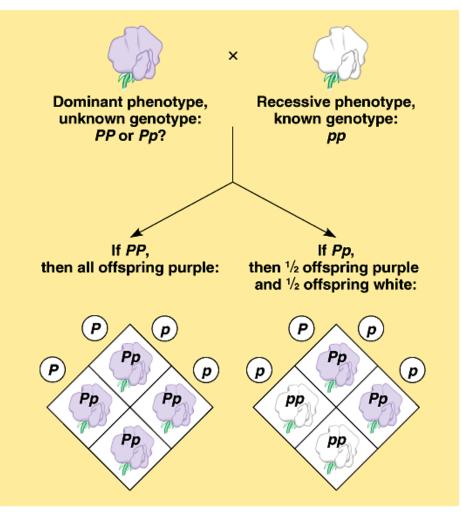
Test Cross

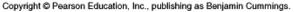
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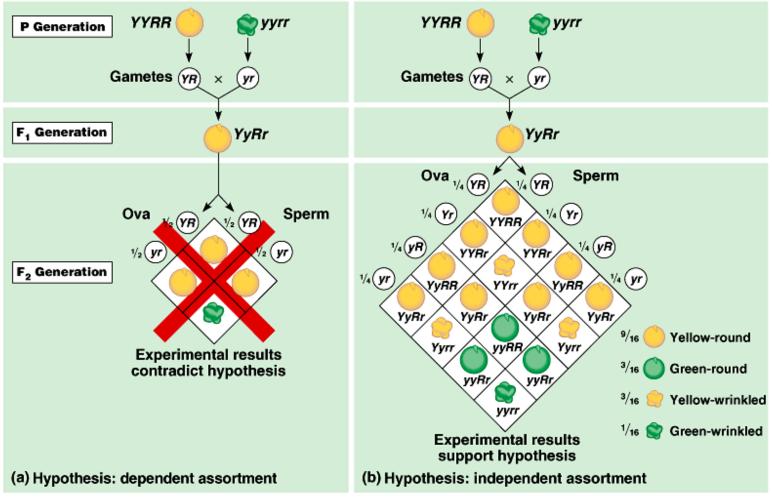
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Monohybrid Punnett



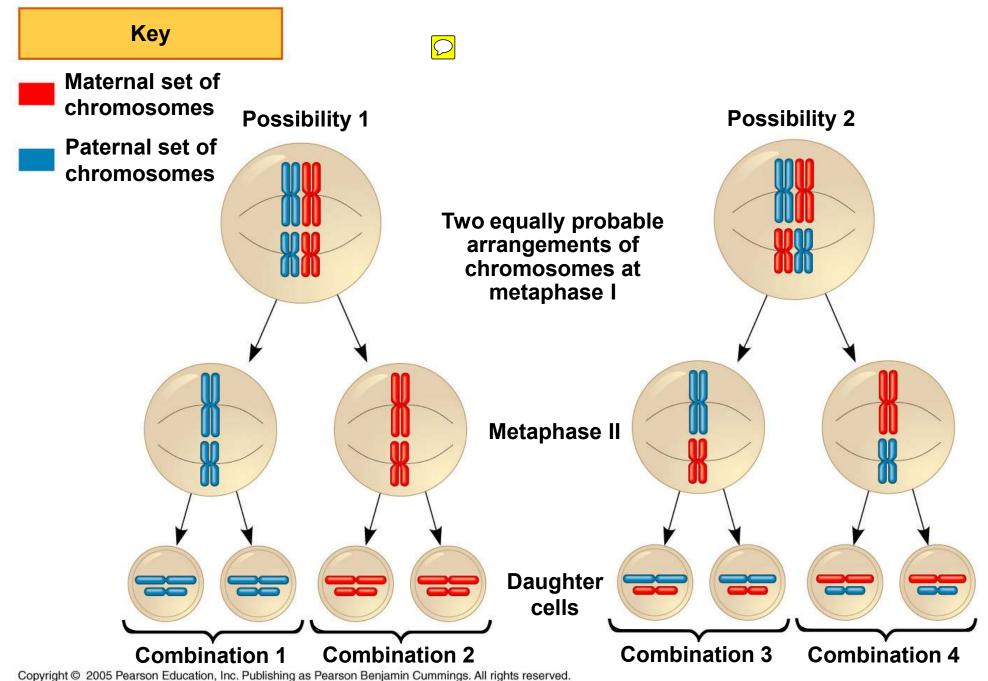


Dihybrid Punnett

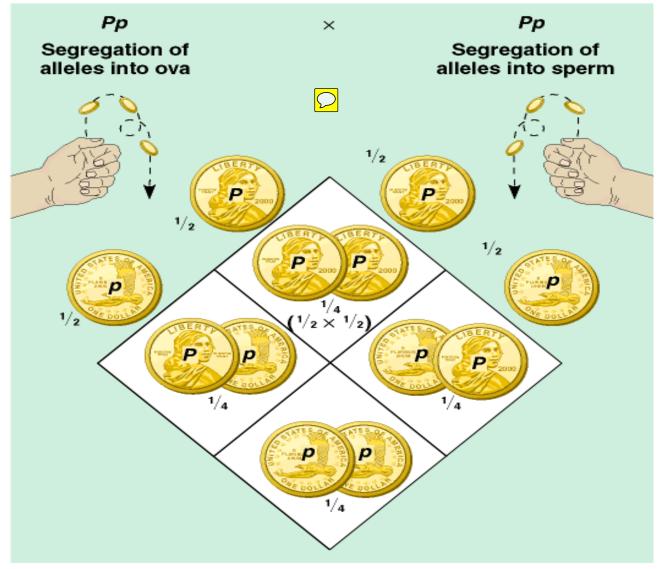


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Independent Assortment – See the different outcomes at the bottom? It was because of how they lined up on the midplane.



Chance has NO memory.



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