

[CH.12]

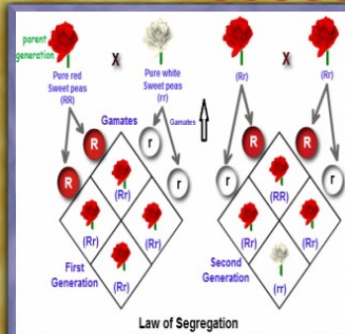
Mendel's theory of inheritance differs from the blending theory, in that the plants don't blend their traits together, like pink from purple and white and etc.

ATK / 1500 DEF / 1600

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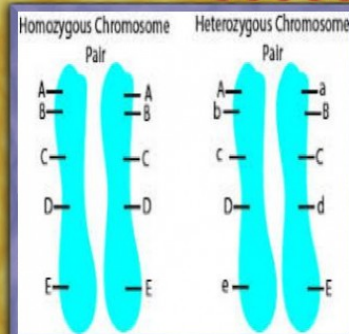
Alleles of a gene segregate, but rejoin as one from each parent randomly during fertilization

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Gene-Characteristic from parent to child
Allele- A particular gene for a particular characteristic
Loci- Position of gene on a chromosome
Dominant shows up, Recessive do not; Genotypes are the blueprints and Phenotypes are what is shown

ATK / 1700 DEF / 1600

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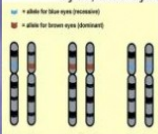
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Alleles

There are different forms of genes called alleles.

For example: eye color (gene) brown eyes, blue eyes, and green eyes (allele)



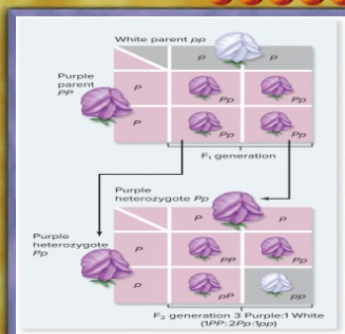
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[CH.12]

ATK / 1200 DEF / 1650

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[CH.12]

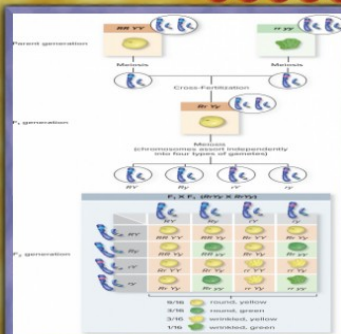
The Law of Independent Assortment: Alleles of a gene are segregated independently of one and another - In Metaphase I of Meiosis

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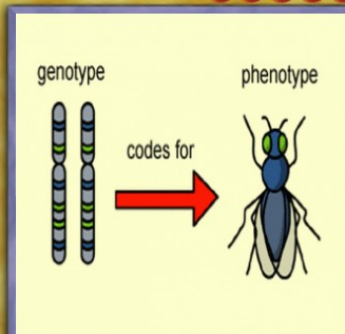
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[CH.12]

Mutations alter genotypes, which alters phenotypes-evolution

ATK / 1700 DEF / 1500

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