

MENDELS' LAWS

1. When pure bred individuals exhibiting a pair of contrasted characters are crossed the original types separate out in definite proportions in the second filial generation, that is among the grandchildren. This process is called SEGREGATION. It makes no difference what may happen in the first generation of the cross. This is made up of hybrid individuals. One of the two characters may be obscured by the other or some condition intermediate between them may be found. The essential is that no blending has occurred as is proved by the recovery of the grandparental types in half of the next generation, the remainder being again of the hybrid constitution.
2. When two or more pairs of contrasted characters are brought into the cross they segregate independently of each other. (This principle known as the law of INDEPENDANT ASSORTMENT has, however, been modified by subsequent discoveries.)