



FUNDACIÓN EDUCATIVA DE MONTELÍBANO MENDEL VARIATIONS

Human blood type is determined by codominant alleles. There are three different alleles, known as I^A , I^B , and i . The I^A and I^B alleles are co-dominant, and the i allele is recessive.

The possible human phenotypes for blood group are type A, type B, type AB, and type O. Type A and B individuals can be either homozygous ($I^A I^A$ or $I^B I^B$, respectively), or heterozygous ($I^A i$ or $I^B i$, respectively).

1. A woman with type A blood and a man with type B blood could potentially have offspring with which of the following blood types?
2. What are the possible blood types of the offspring of a cross between individuals that are type AB and type O?
3. If the parents are AO and BO genotypes for the ABO blood group, their children could include which of the following genotypes?
4. Invent a problem where you present an incomplete dominance pattern of inheritance case.
5. Invent a problem where you present a codominance pattern of inheritance.



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