

15. Single gene with multiple alleles—a heterozygous type A blood man and a heterozygous type B blood female have children.

What is the probability of blood type A offspring _____

What is the probability of blood type B offspring _____

What is the probability of blood type AB offspring _____

What is the probability of blood type O offspring _____

Use the pedigree to answer/complete the following questions:



16. Individuals B, D, I, and N are colorblind. Correctly shade those 4 individuals in the pedigree.
 17. Individuals C, G, and J are carriers. Correctly shade those 3 individuals in the pedigree.

Essay:

18. Explain why individuals I and J, although they are sisters, do not share the colorblindness phenotype.

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Jicheng Xie



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