## The Kendrick Family

**Can you use Mendel’s model to explain the inheritance of albinism in the Kendrick family?**

Albinism is a rare genetic trait found in many species and is characterized by the complete of partial absence of pigment in the skin, hair and eyes. The following pedigree shows the pattern of the albino trait in the Kendrick family. **Analyze** the pedigree and **explain in words the pattern** of occurrence of albinism in this family.



Analysis:

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| --- | --- |
| A) What are the phenotypes of this trait? | B) What are the elements (alleles)? Assign numbers to the elements (alleles). |
| C) Which allele is dominant and which recessive? | D) What are the possible genotypes and which phenotype goes with each one? |
| E) Fill in the genotypes (as much as you can) for each member of the family. | |
| **Your explanation:** | |