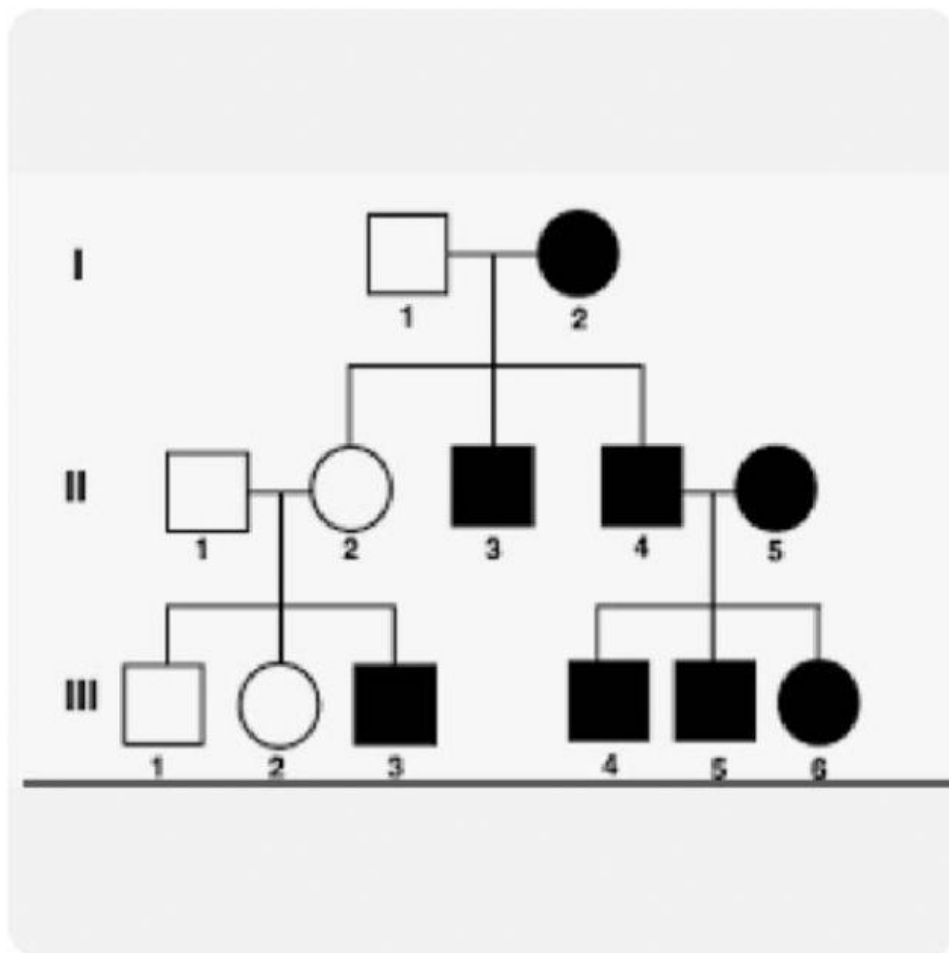


This is a pedigree that follows the **blue eyes** which is a **recessive trait**. **B=brown eyes**, **b=blue eyes**



1. a) How many males are shown in this pedigree? _____
b) How many males have blue eyes? _____
2. a) How many females are shown in this pedigree? _____
b) How many females have blue eyes? _____
3. How many marriages are shown in this pedigree? _____
4. What is the genotype of the father in the first generation? _____

5. a) How many children do the parents in generation 1 have? _____
b) If the parents in generation 1 have another child, what is the percent chance that the child will have blue eyes? _____
6. a) What is the genotype of individual II-1? _____
b) What term is used to describe this genotype? _____
7. a) How many individuals in generation 3 are **carriers**? _____
b) What is the phenotype of a carrier? _____