**Population Genetics Term Introduction**

1. Differentiate between a gene and an allele.
2. Differentiate between genotype and phenotype.
3. Differentiate between heterozygote and homozygote.
4. Explain the connection between mutation and alleles.
5. A gene has 2 alleles, R and B. List the possible genotypes.
6. If there are 40 individuals in a population and all 40 have the genotype RB, what is the frequency of the R allele?
7. If there are 40 individuals in a population and 10 are RR, 20 are RB, and 10 BB, what is the frequency of the R allele?
8. If there are 40 individuals in a population and 10 are RR, 10 are RB, and 20 are BB, what is the frequency of the R allele?