

CHAPTER 12 Answers to Problems

Problem 12.1. Using expression 12.3, $q^* = 0.003$.

Problem 12.2. Using expression 12.4, $h = 0.05$, and $q^* \approx 0.0002$.

Problem 12.3. In this case of a dominant lethal allele, all copies will be new mutations so that $q^* = 0.00001$.

Problem 12.4. Hundreds of generations. We can see in Figure 12.6 that it will take hundreds of generations for microsatellite heterozygosity to recover, but thousands of generations for the allozyme heterozygosity to recover.