

Breeding Bunnies: Discussion Questions

1. What was your original hypothesis?
2. Based on your lab data, do you need to change your hypothesis? Explain.
3. Compare the number of alleles for the dominant characteristic with the number of alleles for the recessive characteristic.
4. Compare the frequencies of the dominant allele to the frequencies of the recessive allele.
5. In a real rabbit habitat new animals often come into the habitat (immigrate), and others leave the area (emigrate). How might emigration and immigration affect the gene frequency of F and f in this population of rabbits? How might you simulate this effect if you were to repeat this activity?
6. How do your results compare with the class data? If significantly different, why are they different?
7. How are the results of this simulation an example of evolution?