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TEACHER'S MANUAL LABORATORY 8 7 Other kinds of forces that affect allele frequencies in a population, e.g., genetic

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Lab Eight Population Genetics And Evolution Answers

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Laboratory 8- Population Genetics And Evolution

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AP Bio Lab 8: Population Genetics and Evolution Carter James 9/28/17 Estelle, Holly, Layla Mr.Perry Exercise 8A: Abstract: Studying microevolution was tested in the laboratory experiment through the analysis of different population conditions under the Hardy Weinberg Equilibrium. This increased the students knowledge of microevolution and population genetics.

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After doing this lab you should be able to:

- Calculate the frequencies of alleles and genotypes in the gene pool of a population using the Hardy-Weinberg formula, and
- Discuss natural selection and other causes of microevolution as deviations from the conditions required to maintain the Hardy-Weinberg equilibrium.

laboratory 8: population genetics and evolution OVERVIEW In this activity you will learn about the Hardy-Weinberg law of genetic equilibrium and study the relationship between evolution and changes in allele frequency by using your class to represent a sample population.

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