

## **IB/AP Biology: Essays for Exam #5**

1. Describe the significance of Mendel's discovery and his subsequent laws.
2. Outline Morgan's use of fruit flies and explain his experiments significance and procedure both in sex linkage, and in gene linkage. Be able to design a similar experiment.
3. Discuss the relationship between genetic recombination and chromosome mapping.
4. Be able to describe the different types of chromosomal alterations and related genetic disorders.
5. Describe and evaluate the significance of both the Griffith Experiment and the Hershey-Chase Experiment (assess implications and limitations).
6. Describe DNA replication.