**BIOL 112 Lab Questions – 2 – Evolution of Populations**

1. Summarize the results of our class right thumb/left thumb up experiment. Be sure to include the calculated values of T and t. Include your math. Remember, right thumb up is the recessive condition.
2. Did this set of activities help you to understand the underlying mathematics behind the Hardy-Weinberg equilibrium? How, or why not?
3. Summarize your findings from the genetic drift bead exercises. Include a summary of your data and your calculations. Did you see different results with a smaller sample, representing a bottleneck?
4. Did these activities help you to understand the process and random nature of genetic drift? Bottlenecking? How, or why not?
5. Summarize your findings from the natural selection bead exercises. Include a summary of your data and your calculations.
6. Did these activities help you to understand the process and NON-random nature of natural selection? How, or why not?
7. In general, did these exercises help you to understand how evolution occurs as the allele structure of populations change over time?
8. Did these exercises complement the lecture material?
9. Did these exercises complement the “critical thinking” questions?
10. Did it help your understanding to have the lab exercises scattered through the lecture material? How, or why not?