

AP Biology 001 – Natural Selection

Video Review Sheet

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1. What did Charles Darwin do? He gave us a
2. Evolution is:
3. Gene Pool: all
4. Natural Selection: when you live or die based on..
5. As the environment changes you are:
6. Enough fitness (survive and reproduce) over time that can lead to:
7. Smallest unit that can evolve is a:
8. Two ways to get variety in a population: novel characteristics: _____
another way to get variety is _____.
9. What is the genotype of a light moth _____ for a dark moth _____
10. Why did the light moth survive?
11. Why did the dark moth population increase?
12. Write the Hardy-Weinberg equation out:

12.5) On the back in extra space, write out the work + solution to both H-W problems.
13. Adaptation is a _____
14. Best definition of Natural Selection:

AP Biology 003 – Genetic Drift

Video Review Sheet

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1. Genetic Drift: Random _____
2. What happened to the p and q values when the numbers (sample size) got larger?
3. Evolution: if you ever change the
4. If we decrease the size, genetic drift starts to
5. Examples of Bottleneck effect –
 - a. Defined: when population gets squeezed through
 - b. Northern Elephant Seals: they looked at _____ DNA and saw that they lost diversity. Also looked symmetry of skull and found:
6. Founder Effect:
 - a. Defined: small population that
 - b. Pingelap: all dependents today from 20 people in the 1700's, explain the effect of the Leader: