

AP Biology 009 – Evolution Continues

Video Review Sheet

www.bozemanscience.com/evolution-continues

1. “Red Queen” Theory – Alice Through the Looking Glass quote about running is a metaphor for how Natural Selection and Evolution take place because:

2. Evolution is a change in the _____ frequency in a gene pool

3. Natural Selection – when nature selects who

4. Sexual Selection – when _____ are selected by the other gender

5. Mechanisms of Evolution – Artificial Selection: humans making those

6. Mechanisms of Evolution – Natural Selection (*Geospiza fortis* on Daphne Major):
 - a. Measured:

 - b. Directional Selection Example
 - i. What change happened and what happened to the bird numbers?

 - ii. Why did the bird’s beaks get bigger?

 - c. Disruptive Selection Example:
 - i. Trait gets _____ in the middle

 - ii. All the variations in the Galapagos came from one

 - iii. What does the Vampire Finch eat?

 - d. Stabilizing Selection Example: selection on either side
 - i. Finches – one species stays the same. (nothing to write here)

 - ii. Describe example of human babies:

7. Mechanisms of Evolution – Sexual Selection
 - a. The mate is doing the

 - b. Sexual Dimorphism – huge difference in _____ between males and females.

 - c. Why do male Peacocks have a huge train?

 - d. What is Geoffrey Miller’s hypothesis?

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