

# AP Biology 009 – Evolution Continues

## Video Review Sheet

[www.bozemanscience.com/evolution-continues](http://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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