

# AP Biology 007 – Speciation and Extinction Video Review Sheet

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1. Speciation: go from one species to
2. Extinction: go from one species to
3. Evolution gives us new
4. What two things can the environment cause?
5. Speciation example: Three-spined Stickleback in Loberg Lake
  - a. What are the two groups?
  - b. Why did they poison the lake?
  - c. What type of Stickleback makes their way back first?
  - d. What type is found now and why?
  - e. How could there eventually be a third species?
6. Adaptive Radiation:
  - a. Honeycreeper: beaks probably adapted to different
  - b. Why don't we see the variety now?
  - c. What were the two other examples?
7. Extinction:
  - a. How many species that have ever lived are now extinct?
  - b. How many mass (dramatic) extinctions are identified?
  - c. What is the Permian/Triassic Extinction known as and why is that?
  - d. List the possible reasons for mass extinctions (10X): (pause video to do it)
  - e. K-T (Cretaceous-Tertiary) Extinction Event: known because
    - i. What is the significance of the iridium found above the K-T boundary