

## AP Biology – Snow Plans

- 1) Watch Evidence of Evolution (Bozeman) and Speciation (Bozeman) videos.
- 2) Make notes about the podcast using the concept maps (download them from the notes page)
- 3) Read through the speciation powerpoint notes and evidence of evolution powerpoint notes that are on the notes page.

### 4) Answer the following questions in complete sentences. (mini essays)

- A. Discuss two mechanisms of speciation that lead to development of separate species from a common ancestor. Give examples of each mechanism.
- B. The diversity of life on earth is the result of many biological mechanisms. Briefly explain the following processes and provide one example for each.
  - Mutation
  - Adaptive radiation
  - Polyploidy
  - Population Bottlenecks
- C. Read the article on “Oxygen as an Evolutionary Constraint”. Identify and explain one advantage and one disadvantage of this atmospheric change as it relates to life on Earth.
- D. Work on the Microevolution Study Guide – download from notes page

### 5) Important dates: UPDATED since we had Wednesday off too.

**March 5<sup>th</sup> – Afterschool Evolution Review.**

March 9<sup>th</sup> – 4<sup>th</sup> block Microevolution Test

March 10<sup>th</sup> – 7<sup>th</sup> block Microevolution Test

March 11<sup>th</sup> – 4<sup>th</sup> block Macroevolution Test

March 12<sup>th</sup> – 7<sup>th</sup> block Macroevolution Test

Please finish your reading guide...I am hoping that it got finished during the last snow break.

Use the videos on my website or their corresponding versions on youtube to review Evolution.

I will text you via Remind with any updates if necessary. Please email or FB me with questions.

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