

# AP Biology Test Prep Questions

- ★ Earth's History
- ★ Origin of Life on Earth
- ★ Darwinian Evolution
- ★ Population Genetics
- ★ Speciation

How is the age of the fossil determined by carbon-14 dating?

The age of the fossil is determined by comparing the constant amount of carbon-12 in the fossil to the amount of carbon-14 remaining in the fossil.



What is  $O_3$  and why was the formation of  $O_3$  important?

$O_3$  is ozone. It forms a protective blanket around the earth preventing ultraviolet radiation from the sun from reaching Earth's surface. Without the ozone layer, life could not have begun to live on land.



What are homologous structures?

Name five prezygotic barriers.

Habitat isolation  
Behavioral isolation  
Temporal isolation  
Mechanical isolation  
Gametic isolation

Homologous structures are structures that have the same basic structure but are different in function.



What is "natural selection?"

Natural selection is the process by which individuals with certain inherited traits (such as more offspring) survive and reproduce better than individuals with other traits. Some organisms are produced that have traits that allow them to be better suited to their environment. Those best suited are more likely to survive, reach reproductive age, and pass their traits on to their offspring.



What two problems had to be solved before life could begin to live on land?

- Problem 1: How to reproduce on land? (There is no water for the swimming sperm.)  
Problem 2: How to prevent dehydration?



State the Hardy-Weinberg principle.

The Hardy-Weinberg principle states: In the absence of mutation, migration, natural selection, and in a population that is sufficiently large, the frequencies of alleles will remain the same.



Each of the slides contains one question and one answer.

# Origin Of Life Ap Biology Lab Answers

**Sebastian Brünink**



## **Origin Of Life Ap Biology Lab Answers:**

## Decoding **Origin Of Life Ap Biology Lab Answers**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Origin Of Life Ap Biology Lab Answers**," a mesmerizing literary creation penned with a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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