

Unit 06: Phylogeny and Taxonomy

Author: Olivia D'Ambrogio

Lecturer @Saylor.org

Published 2014

Create, Share, and Discover Online Quizzes.

QuizOver.com is an intuitive and powerful online quiz creator. [learn more](#)

Join QuizOver.com



How to Analyze Stocks

By Yasser Ibrahim

1 month ago
12 Responses

© iStock: Thomson Moter



Pre Employment English

By Katharina Jennifer N

5 months ago
19 Responses

© iStock: Albin



Lean Startup Quiz

By Yasser Ibrahim

2 months ago
16 Responses

© iStock: Gekwiniel Olan

Powered by QuizOver.com

The Leading Online Quiz & Exam Creator

Create, Share and Discover Quizzes & Exams

<http://www.quizover.com>

Disclaimer

All services and content of QuizOver.com are provided under QuizOver.com terms of use on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the provided services and content are free of defects, merchantable, fit for a particular purpose or non-infringing.

The entire risk as to the quality and performance of the provided services and content is with you.

In no event shall QuizOver.com be liable for any damages whatsoever arising out of or in connection with the use or performance of the services.

Should any provided services and content prove defective in any respect, you (not the initial developer, author or any other contributor) assume the cost of any necessary servicing, repair or correction.

This disclaimer of warranty constitutes an essential part of these "terms of use".

No use of any services and content of QuizOver.com is authorized hereunder except under this disclaimer.

The detailed and up to date "terms of use" of QuizOver.com can be found under:

<http://www.QuizOver.com/public/termsOfUse.xhtml>

eBook Content License

Olivia D'Ambrogio Introduction to Evolutionary Biology and Ecology. (The Saylor Academy), <http://www.saylor.org/courses/bio102/> (Accessed 16 May, 2014). License: Creative Commons BY-NC-ND

Creative Commons License

Attribution-NonCommercial-NoDerivs 3.0 Unported (CC BY-NC-ND 3.0)

<http://creativecommons.org/licenses/by-nc-nd/3.0/>

You are free to:

Share: copy and redistribute the material in any medium or format

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

Attribution: You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

NonCommercial: You may not use the material for commercial purposes.

NoDerivatives: If you remix, transform, or build upon the material, you may not distribute the modified material.

No additional restrictions: You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

Table of Contents

Quiz Permalink: <http://www.quizover.com/question/unit-06-phylogeny-and-taxonomy-by-olivia-d-ambrogio-saylor-org-evoluti>

Author Profile: <http://www.quizover.com/user/profile/olivia.d-ambrogio>

1. Unit 06: Phylogeny and Taxonomy

4. Chapter: Unit 06: Phylogeny and Taxonomy

1. Unit 06: Phylogeny and Taxonomy Questions

4.1.1. Miller-Urey's experiment simulated hypothetical conditions present ...

Author: Olivia D'Ambrogio

Miller-Urey's experiment simulated hypothetical conditions present on early earth. The experiment used which of the following elements?

Please choose only one answer:

- Water, methane, ammonia, and hydrogen
- Water, methane, ammonia, and oxygen
- Water, carbon dioxide, ammonia, and oxygen
- Water, nitrogen, methane, and hydrogen

Check the answer of this question online at QuizOver.com:

Question: [Miller-Urey's experiment simulated Olivia D'Ambrogio @Saylor.org](#)

Flashcards:

<http://www.quizover.com/flashcards/question-miller-urey-s-experiment-simulated-olivia-d-ambrogio-saylor-o?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-miller-urey-s-experiment-simulated-olivia-d-ambrogio-saylor-o?pdf=3044>

4.1.2. Modern day scientists hypothesize one element was missing in the at...

Author: Olivia D'Ambrogio

Modern day scientists hypothesize one element was missing in the atmosphere of early earth. What was this element?

Please choose only one answer:

- Nitrogen
- Oxygen
- Ammonia
- Methane

Check the answer of this question online at QuizOver.com:

Question: [Modern day scientists hypothesize one Olivia D'Ambrogio @Saylor Evolutionary](#)

Flashcards:

<http://www.quizover.com/flashcards/modern-day-scientists-hypothesize-one-olivia-d-ambrogio-saylor-evoluti?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/modern-day-scientists-hypothesize-one-olivia-d-ambrogio-saylor-evoluti?pdf=3044>

4.1.3. The classes of Mammalia and Aves belong to which taxa?

Author: Olivia D'Ambrogio

The classes of Mammalia and Aves belong to which taxa?

Please choose only one answer:

- Paraphyletic taxa
- Monophyletic taxa
- Holophyletic taxa
- Polyphyletic taxa

Check the answer of this question online at QuizOver.com:

Question: [The classes of Mammalia and Aves belong Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-classes-of-mammalia-and-aves-belong-olivia-d-ambrogio-say?pdf=3044>

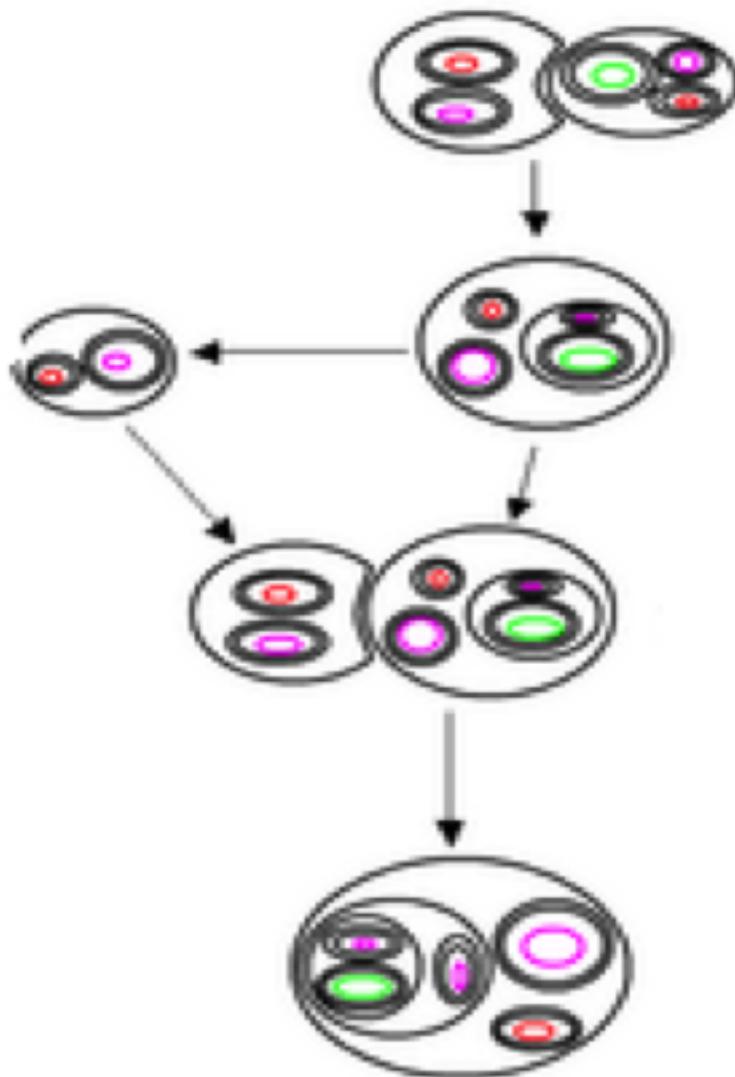
Interactive Question:

<http://www.quizover.com/question/question-the-classes-of-mammalia-and-aves-belong-olivia-d-ambrogio-say?pdf=3044>

4.1.4. The diagram below is a representation of which of the following?

Author: Olivia D'Ambrogio

The diagram below is a representation of which of the following?



Please choose only one answer:

- Endosymbiosis
- Primary endosymbiosis
- Secondary endosymbiosis
- Phagocytosis

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The diagram below is a representation of Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-diagram-below-is-a-representation-of-olivia-d-ambrogio-sa?pdf=3044>

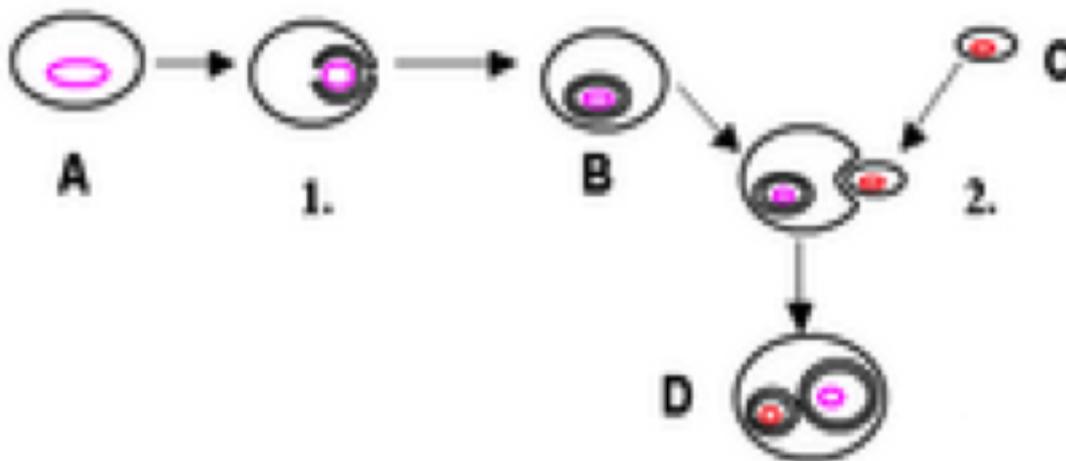
Interactive Question:

<http://www.quizover.com/question/question-the-diagram-below-is-a-representation-of-olivia-d-ambrogio-sa?pdf=3044>

4.1.5. The diagram below represents which of the following?

Author: Olivia D'Ambrogio

The diagram below represents which of the following?



Please choose only one answer:

- Phagocytosis
- Endosymbiotic theory
- Endocytosis of aerobic bacteria
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [The diagram below represents which of the Olivia D @Saylor.org Evolutionary](http://www.quizover.com/question/the-diagram-below-represents-which-of-the-olivia-d-saylor-org-evolutio?pdf=3044)

Flashcards:

<http://www.quizover.com/flashcards/the-diagram-below-represents-which-of-the-olivia-d-saylor-org-evolutio?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/the-diagram-below-represents-which-of-the-olivia-d-saylor-org-evolutio?pdf=3044>

4.1.6. The fungi kingdom would include

Author: Olivia D'Ambrogio

The fungi kingdom would include

Please choose only one answer:

- Round, spiral bacteria
- Euglena and Paramecium
- Yeast and mushroom
- Streptococcus and Staphylococcus

Check the answer of this question online at QuizOver.com:

Question: [The fungi kingdom would include Olivia D'Ambrogio @Saylor.org Evolutionary](#)

Flashcards:

<http://www.quizover.com/flashcards/the-fungi-kingdom-would-include-olivia-d-ambrogio-saylor-org-evolution?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/the-fungi-kingdom-would-include-olivia-d-ambrogio-saylor-org-evolution?pdf=3044>

4.1.7. What is characteristic of Monerans distinguishes them from other or...

Author: Olivia D'Ambrogio

What is characteristic of Monerans distinguishes them from other organisms?

Please choose only one answer:

- Monerans are unicellular.
- Monerans have nuclei without cell membrane.
- Some Monerans move with the help of flagella.
- Both A and C

Check the answer of this question online at QuizOver.com:

Question: [What is characteristic of Monerans Olivia D'Ambrogio @Saylor.org](#)

Flashcards:

<http://www.quizover.com/flashcards/question-what-is-characteristic-of-monerans-olivia-d-ambrogio-saylor-o?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-what-is-characteristic-of-monerans-olivia-d-ambrogio-saylor-o?pdf=3044>

4.1.8. Which of the following facts regarding Big Bang theory is false?

Author: Olivia D'Ambrogio

Which of the following facts regarding Big Bang theory is false?

Please choose only one answer:

- The Big Bang theory explains how Earth was formed.
- The Big Bang theory explains how denser atoms (metals) came into existence.
- The Big Bang theory explains creation of light atoms (Helium, Lithium, Beryllium).
- The Big Bang theory explains formation of stars.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following facts regarding Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-facts-regarding-olivia-d-ambrogio-sayl?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-facts-regarding-olivia-d-ambrogio-sayl?pdf=3044>

4.1.9. Which of the following is a correct definition of paraphyly?

Author: Olivia D'Ambrogio

Which of the following is a correct definition of paraphyly?

Please choose only one answer:

- A taxon which includes all descendants of a particular ancestor
- A taxon that contains the last common ancestor but not all decedents
- A taxon which is characterized by one or more homoplasies
- A clade characterized by one or more autapomorphies

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is a correct Olivia D'Ambrogio @Saylor.org](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-a-correct-olivia-d-ambrogio-saylor-?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-a-correct-olivia-d-ambrogio-saylor-?pdf=3044>

4.1.10. Which of the following is an example of analogous character?

Author: Olivia D'Ambrogio

Which of the following is an example of analogous character?

Please choose only one answer:

- Four limbs of tetrapods
- Fin of a shark and dolphin
- Fins of shark and bony fish
- Skeletal components of vertebrates

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is an example of Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-an-example-of-olivia-d-ambrogio-say?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-an-example-of-olivia-d-ambrogio-say?pdf=3044>

4.1.11. Which of the following is an example of homologous character?

Author: Olivia D'Ambrogio

Which of the following is an example of homologous character?

Please choose only one answer:

- Four limbs of tetrapods
- Wings of birds and bats
- Bird wings and mosquito wings
- Camera eye of vertebrate and cephalopod

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is an example of Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-an-example-of-olivia-d-ambr-4045603?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-an-example-of-olivia-d-ambr-4045603?pdf=3044>

4.1.12. Which of the following statements about a cladogram is true?

Author: Olivia D'Ambrogio

Which of the following statements about a cladogram is true?

Please choose only one answer:

- A cladogram shows relation between organisms.
- A cladogram is an evolutionary tree.
- A cladogram illustrates the ancestors of a particular animal.
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements about Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-statements-about-olivia-d-ambrogio-say?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-statements-about-olivia-d-ambrogio-say?pdf=3044>

4.1.13. Which of the following statements about the science of cladistics i...

Author: Olivia D'Ambrogio

Which of the following statements about the science of cladistics is true?

Please choose only one answer:

- The science of cladistics is based on synapomorphies.
- The science of cladistics analyzes evolutionary relationships.
- The science of cladistics bases its outcome on a cladogram.
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements about Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-statements-about-olivia-d-ambr-4045788?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-statements-about-olivia-d-ambr-4045788?pdf=3044>

4.1.14. Which of the following statements regarding anagenesis is correct?

Author: Olivia D'Ambrogio

Which of the following statements regarding anagenesis is correct?

Please choose only one answer:

- Anagenesis is the transformation of one ancestral species into more than one descendant species.
- Anagenesis does not involve the extinction of the parental species.
- Anagenesis involves the extinction of the older ancestral species.
- Only via branching evolution can species increase in number.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements regarding Olivia D @Saylor.org](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-statements-regarding-olivia-d-saylor-o?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-statements-regarding-olivia-d-saylor-o?pdf=3044>

4.1.15. Who first proposed endosymbiotic theory?

Author: Olivia D'Ambrogio

Who first proposed endosymbiotic theory?

Please choose only one answer:

- Konstantin Mereschkowski
- Andreas Schimper
- Lynn Margulis
- Dorion Sagan

Check the answer of this question online at QuizOver.com:

Question: [Who first proposed endosymbiotic theory Olivia D'Ambrogio @Saylor](#)

Flashcards:

<http://www.quizover.com/flashcards/question-who-first-proposed-endosymbiotic-theory-olivia-d-ambrogio-say?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/question-who-first-proposed-endosymbiotic-theory-olivia-d-ambrogio-say?pdf=3044>