

Biology 27

Animal Diversity

MCQ

Author: OpenStax College

Published 2015

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4. Chapter: Biology 27 Animal Diversity MCQ

1. Biology 27 Animal Diversity MCQ Questions

4.1.1. Which of the following is not a feature common to most animals?

Author: OpenStax College

Which of the following is not a feature common to most animals?

Please choose only one answer:

- development into a fixed body plan
- asexual reproduction
- specialized tissues
- heterotrophic nutrient sourcing

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

Question: [Which of the following is not a feature OpenStax College Biology](#)

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4.1.2. During embryonic development, unique cell layers develop and distin...

Author: OpenStax College

During embryonic development, unique cell layers develop and distinguish during a stage called _____.

Please choose only one answer:

- the blastula stage
- the germ layer stage
- the gastrula stage
- the organogenesis stage

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

Question: [During embryonic development unique cell OpenStax College Biology](#)

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4.1.3. Which of the following phenotypes would most likely be the result o...

Author: OpenStax College

Which of the following phenotypes would most likely be the result of a Hox gene mutation?

Please choose only one answer:

- abnormal body length or height
- two different eye colors
- the contraction of a genetic illness
- two fewer appendages than normal

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

Question: [Which of the following phenotypes would OpenStax College Biology](#)

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4.1.4. Which of the following organism is most likely to be a diploblast?

Author: OpenStax College

Which of the following organism is most likely to be a diploblast?

Please choose only one answer:

- sea star
- shrimp
- jellyfish
- insect

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

Question: [Which of the following organism is most OpenStax College Biology](#)

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4.1.5. Which of the following is not possible?

Author: OpenStax College

Which of the following is not possible?

Please choose only one answer:

- radially symmetrical diploblast
- diploblastic eucoelomate
- protostomic coelomate
- bilaterally symmetrical deuterostome

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

Question: [Which of the following is not possible OpenStax College Biology 2](#)

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4.1.6. An animal whose development is marked by radial cleavage and entero...

Author: OpenStax College

An animal whose development is marked by radial cleavage and enterocoely is _____.

Please choose only one answer:

- a deuterostome
- an annelid or mollusk
- either an acoelomate or eucoelomate
- none of the above

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

Question: [An animal whose development is marked by OpenStax College Biology](#)

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4.1.7. Consulting the modern phylogenetic tree of animals, which of the fo...

Author: OpenStax College

Consulting the modern phylogenetic tree of animals, which of the following would not constitute a clade?

Please choose only one answer:

- deuterostomes
- lophotrochozoans
- Parazoa
- Bilateria

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

Question: [Consulting the modern phylogenetic tree OpenStax College Biology](#)

Flashcards:

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4.1.8. Which of the following is thought to be the most closely related to...

Author: OpenStax College

Which of the following is thought to be the most closely related to the common animal ancestor?

Please choose only one answer:

- fungal cells
- protist cells
- plant cells
- bacterial cells

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

Question: [Which of the following is thought to be OpenStax College Biology](#)

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4.1.9. As with the emergence of the Acoelomorpha phylum, it is common for ...

Author: OpenStax College

As with the emergence of the Acoelomorpha phylum, it is common for ____ data to misplace animals in close relation to other species, whereas ____ data often reveals a different and more accurate evolutionary relationship.

Please choose only one answer:

- molecular : morphological
- molecular : fossil record
- fossil record : morphological
- morphological : molecular

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

Question: [As with the emergence of the Acoelomorpha OpenStax College Biology](#)

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4.1.10. Which of the following periods is the earliest during which animals...

Author: OpenStax College

Which of the following periods is the earliest during which animals may have appeared?

Please choose only one answer:

- Ordovician period
- Cambrian period
- Ediacaran period
- Cryogenian period

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

Question: [Which of the following periods is the OpenStax College Biology 27](#)

Flashcards:

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4.1.11. What type of data is primarily used to determine the existence and ...

Author: OpenStax College

What type of data is primarily used to determine the existence and appearance of early animal species?

Please choose only one answer:

- molecular data
- fossil data
- morphological data
- embryological development data

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

Question: [What type of data is primarily used to OpenStax College Biology 2](#)

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4.1.12. The time between 542-488 million years ago marks which period?

Author: OpenStax College

The time between 542-488 million years ago marks which period?

Please choose only one answer:

- Cambrian period
- Silurian period
- Ediacaran period
- Devonian period

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

Question: [The time between 542-488 million years OpenStax College Biology 2](#)

Flashcards:

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4.1.13. Until recent discoveries suggested otherwise, animals existing befo...

Author: OpenStax College

Until recent discoveries suggested otherwise, animals existing before the Cambrian period were believed to be:

Please choose only one answer:

- small and ocean-dwelling
- small and non-motile
- small and soft-bodied
- small and radially symmetrical or asymmetrical

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

Question: [Until recent discoveries suggested otherwise OpenStax College Biology](#)

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4.1.14. Plant life first appeared on land during which of the following per...

Author: OpenStax College

Plant life first appeared on land during which of the following periods?

Please choose only one answer:

- Cambrian period
- Ordovician period
- Silurian period
- Devonian period

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

Question: [Plant life first appeared on land during OpenStax College Biology](#)

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4.1.15. Approximately how many mass extinction events occurred throughout t...

Author: OpenStax College

Approximately how many mass extinction events occurred throughout the evolutionary history of animals?

Please choose only one answer:

- 3
- 4
- 5
- more than 5

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

Question: [Approximately how many mass extinction OpenStax College Biology 2](#)

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