



Ancient 'Mothra' Fossil Unveils Wonders of Early Life

Description

Scientists have found a new creature from the Cambrian period. Its name is *Mosura fentoni*. This small animal is about the size of a finger. It has three eyes, claws, and flappy limbs. It was discovered in Canada's Burgess Shale, a famous fossil site.

Mosura is part of a group called radiodonts. This group also includes *Anomalocaris*, a larger creature known for its sharp limbs and teeth. *Mosura* had a round mouth for eating and paddle-like limbs for swimming. It also had a tail with 16 sections that had gills for breathing.

Scientists are not sure why *Mosura* needed so many gills. It might have lived in areas with less oxygen or it could have been very active. The shape of *Mosura* earned it the nickname "sea-moth." Even though it is called a moth, it is not close to real moths.

This creature helps scientists learn about life from more than 500 million years ago. Many fossils were found in Yoho and Kootenay National Parks, areas known for well-preserved sea creatures.

Vocabulary List:

1. **Cambrian** /'keɪm.bri.ən/ (adjective): Relating to a major division of the geological time scale spanning from about 541 to 485 million years ago.
2. **Creature** /'kri:tʃə/ (noun): A living being especially an animal.
3. **Fossil** /'fɒs.ɪl/ (noun): The remains or impression of a prehistoric organism preserved in petrified form or as a mold or cast in rock.
4. **Gills** /gɪlz/ (noun): The respiratory organ of aquatic animals enabling them to extract oxygen from water.
5. **Active** /'æktɪv/ (adjective): Engaging in action; lively and vigorous.
6. **Preserved** /prɪ'zɜ:rvd/ (verb): To maintain or keep in good condition; to protect from loss or harm.

Comprehension Questions

Multiple Choice

1. Where was the new creature *Mosura fentoni* discovered?

Option: Canada's Burgess Shale



- Option: Yoho National Park
- Option: Kootenay National Park
- Option: Yellowstone National Park

2. Which group does *Mosura* belong to?

- Option: Radiodonts
- Option: Arthropods
- Option: Mammals
- Option: Reptiles

3. What earned *Mosura* the nickname “sea-moth”?

- Option: Its shape
- Option: Its size
- Option: Its claws
- Option: Its eyes

4. How many gills did *Mosura* have?

- Option: Multiple
- Option: One
- Option: Two
- Option: None

5. What is the size comparison of *Mosura fentoni*?

- Option: Size of a finger
- Option: Size of a hand
- Option: Size of a palm
- Option: Size of a foot

6. Where were many fossils found related to *Mosura fentoni*?

- Option: Yoho and Kootenay National Parks
- Option: Yellowstone National Park
- Option: Everglades National Park
- Option: Grand Canyon National Park

True-False

7. Scientists are certain about the reason *Mosura fentoni* needed many gills.



8. *Mosura fentoni* is a close relative of real moths.
9. *Mosura fentoni* was discovered in the Cambrian period.
10. *Mosura fentoni* had three eyes.
11. The Burgess Shale is located in the United States.
12. *Mosura fentoni* has paddle-like limbs for swimming.

Gap-Fill

13. The creature *Mosura fentoni* was discovered in the Cambrian period, more than _____ million years ago.
14. *Mosura fentoni* had a round mouth for eating and paddle-like limbs for _____.
15. The tail of *Mosura fentoni* had _____ sections with gills for breathing.
16. The discovery of *Mosura fentoni* helps scientists learn about life from more than _____ million years ago.
17. Many well-preserved sea creatures were found in Yoho and _____ National Parks.
18. *Mosura fentoni* might have needed many gills because it lived in areas with less _____.

Answer

Multiple Choice: 1. Canada's Burgess Shale 2. Radiodonts 3. Its shape 4. Multiple 5. Size of a finger 6. Yoho and Kootenay National Parks

True-False: 7. False 8. False 9. True 10. True 11. False 12. True

Gap-Fill: 13. 500 14. swimming 15. 16 17. Kootenay 18. oxygen



Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. Which activity involves the search and investigation of unknown places or phenomena?
Option: Payload
Option: Exploration
Option: Radiation
Option: Mission
2. Which term is used to describe the accomplishment of an aim or purpose?
Option: Success
Option: Deliveries
Option: Active
Option: Experience
3. Who are individuals or organizations responsible for creating software or apps?
Option: Parachute
Option: Creators
Option: Cambrian
Option: Developers
4. What is a vehicle or device designed for travel or operation in outer space?
Option: Fossil
Option: Astronaut
Option: Entertainment
Option: Spacecraft
5. What is the action of teaching a person a particular skill or type of behavior?
Option: Gills
Option: Training
Option: Protection
Option: Copyright
6. What is the emission of energy as electromagnetic waves or as moving subatomic particles?
Option: Radiation
Option: Preserved
Option: Request
Option: Industry
7. Which word best describes something that causes great surprise or wonder?



- Option: Unique
- Option: Success
- Option: Amazing
- Option: Payload

8. What term describes something as being the only one of its kind?

- Option: Experience
- Option: Thermal
- Option: Unique
- Option: Payload

9. What is the activity of providing or being provided with amusement or enjoyment?

- Option: Active
- Option: Excited
- Option: Entertainment
- Option: Experience

10. What term refers to the action of carrying goods or products to a particular location?

- Option: Request
- Option: Deliveries
- Option: Protection
- Option: Creators

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. A _____ is a specific task or duty assigned to a person or group of people.
12. The students were _____ about the upcoming school trip to the science museum.
13. A fictional _____ with magical powers was the main character in the novel.
14. The spacecraft successfully _____ from the space station to begin its independent journey.
15. The paleontologist discovered a well-preserved _____ of a prehistoric fish.
16. The aquatic animal used its _____ to extract oxygen from the water.
17. The ancient manuscript was carefully _____ to prevent further deterioration.



18. Before landing the skydiver deployed the _____ to slow down the descent.
19. The astronaut's suit provided insulation against extreme _____ conditions in space.
20. The company operates in the technology _____ manufacturing computer components.
21. The author retained the _____ of the novel preventing unauthorized reproduction.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

22. Safety measures and security protocols are in place to ensure the _____ of personal data.
23. The team of skilled professionals included software engineers and graphic designers who were responsible for creating the app.
24. The artists and writers collaborated to bring the comic book characters to life establishing themselves as the _____ of the series.
25. The customer submitted a formal _____ for a refund due to a defective product.
26. The automotive industry faced challenges due to the increasing competition and economic fluctuations.
27. The discovery of ancient marine organisms provided valuable insights into the biodiversity during the _____ period.
28. The _____ trained conducted experiments on the effects of microgravity aboard the space station.
29. The immersive virtual reality simulation offered users a realistic _____ of deep-sea diving.
30. The boutique showcased handmade jewelry designs that were not available in mainstream stores.
31. The team celebrated the _____ of their project with a special dinner event.
32. The amusement park offered a wide range of options including thrill rides and live shows.

Answer

- Multiple Choice:** 1. Exploration 2. Success 3. Developers 4. Spacecraft 5. Training 6. Radiation 7. Amazing
8. Unique 9. Entertainment 10. Deliveries
Gap-Fill: 11. Mission



12. Excited 13. Creature 14. Undocked 15. Fossil 16. Gills 17. Preserved 18. Parachute 19. Thermal 20. Industry 21. Copyright

Matching sentence: 1. Protection 2. Developers 3. Creators 4. Request 5. Industry 6. Cambrian 7. Astronaut 8. Experience 9. Unique 10. Success 11. Entertainment

CATEGORY

1. Sci/Tech - LEVEL1

Date Created

2025/05/14

Author

aimeeyoung99

ESL-NEWS.COM