



Scientists Identify Unique New Tarantula Species

Description

Researchers found four new types of tarantulas in Arabia and Africa. They named the new group Satyrex. The male tarantulas have very long palps, which are body parts that help in mating.

Dr. Alireza Zamani led the study from the University of Turku. He said these tarantulas look and behave differently from others. They needed a new classification. The name Satyrex comes from the Greek word for "man-beast" and the Latin word for "king."

The biggest species, *Satyrex ferox*, has a leg span of about 14 cm. The male palps can reach up to 5 cm. This size is nearly four times the length of its body front. The species name *ferox* means "fierce." These spiders are very defensive and can make loud hissing sounds when disturbed.

The other new species are called *S. arabicus* and *S. somalicus*, named after their locations. *Satyrex longimanus* was already known but was reclassified. All species spend much of their time underground in burrows.

Vocabulary List:

1. **tarantulas** //tə'ræntʃələz// (noun): large, hairy spiders that some people fear
2. **palps** //pælpz// (noun): short limb parts near the head of spiders
3. **mating** //ˈmeɪtɪŋ// (noun): when animals join to make baby animals
4. **classification** //,klæsɪfɪ'keɪʃən// (noun): grouping things by similar kinds or types
5. **species** //ˈspiːʃɪz// (noun): a group of animals or plants alike
6. **burrows** //ˈbʌrəʊz// (noun): holes animals make and live inside underground

Comprehension Questions

Multiple Choice

1. What is the name of the new group of tarantulas discovered?

Option: Theraphosidae

Option: Satyrex

Option: Acanthoscurria



Option: Lycosa

2. Who led the study on the new tarantula species?

Option: Dr. John Smith

Option: Dr. Alireza Zamani

Option: Dr. Emily Davis

Option: Dr. Ahmed Khan

3. What is the leg span of the biggest species, *Satyrex ferox*?

Option: 10 cm

Option: 12 cm

Option: 14 cm

Option: 16 cm

4. What does the species name 'ferox' mean?

Option: gentle

Option: fierce

Option: beautiful

Option: small

5. Where are *S. arabicus* and *S. somalicus* named after?

Option: Their appearance

Option: Their behavior

Option: Their locations

Option: Their predators

6. How much longer are the male palps compared to the length of the tarantula's body front?

Option: Twice

Option: Three times

Option: Four times

Option: Five times

True-False

7. The new group of tarantulas is named *Satyrex*.

8. *Satyrex ferox* is the smallest species among the new discoveries.



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9. Dr. Alireza Zamani is affiliated with the University of Turku.
 10. The male tarantulas have very short palps.
 11. All the new species of Satyrex spend most of their time above ground.
 12. Satyrex longimanus was reclassified during this study.

Gap-Fill

13. The new group of tarantulas is known as _____ Satyrex.
14. Dr. Alireza Zamani led the study from the University of _____.
15. The biggest species, Satyrex ferox, has a leg span of about _____ cm.
16. The male palps can reach up to _____ cm.
17. S. arabicus is named after its _____ named location.
18. All species of Satyrex spend much of their time in _____ burrows.

Answer

Multiple Choice: 1. Satyrex 2. Dr. Alireza Zamani 3. 14 cm 4. fierce 5. Their locations 6. Four times

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

Gap-Fill: 13. Satyrex 14. Turku 15. 14 16. 5 17. specific 18. underground

Vocabulary quizzes

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

1. What type of cybersecurity threat involves malicious software that demands payment?
Option: Malware
Option: Ransomware
Option: Phishing
Option: Spyware



2. Which term refers to visual images or designs on a computer screen?

- Option: Graphics
- Option: Audio
- Option: Interfaces
- Option: Models

3. What term is used to describe a specific release of software?

- Option: Update
- Option: Version
- Option: Edition
- Option: Patch

4. What type of shelters do some spider species create in the ground?

- Option: Hives
- Option: Burrows
- Option: Nests
- Option: Caves

5. What is the term for a group of organisms that can interbreed?

- Option: Genus
- Option: Family
- Option: Species
- Option: Order

6. What term describes an organism at risk of extinction?

- Option: Protected
- Option: Endangered
- Option: Vulnerable
- Option: Stable

7. What are the input mechanisms used to operate a video game called?

- Option: Controls
- Option: Graphics
- Option: Levels
- Option: Scores

8. Which term means to make ready for a specific purpose?

- Option: Plans
- Option: Prepares
- Option: Cultivates
- Option: Creates



9. What is the term for taking on a new policy or technology?

Option: Implemented

Option: Adopted

Option: Established

Option: Persuaded

10. What term refers to the advancement towards a goal?

Option: Status

Option: Outcome

Option: Progress

Option: Growth

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

11. The field that deals with the protection of computer systems from theft or damage is called

_____ .

12. Some types of _____ construct burrows for shelter and protection.

13. The process of reproduction in many species is known as _____ .

14. Archaeologists use radiocarbon dating as _____ to determine the age of artifacts.

15. Rapid advancements in _____ have significantly changed our lives in the last decade.

16. The latest software update includes several _____ for better performance.

17. Customer _____ is essential for resolving user issues effectively.

18. A _____ is required for the operating system to communicate with hardware devices.

19. The software's new release addresses several previously reported _____ .

20. The _____ is a tool used to throw spears more efficiently in ancient hunting.

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



21. Biological classification helps scientists organize living organisms into categories.
22. You can disable notifications to minimize distractions while working.
23. Some spider species use palps for mating and sensory functions.
24. The software update was released to enhance user experience and performance.
25. Using solar panels is an efficient way to harness renewable energy.
26. Technical support is crucial for troubleshooting software issues.
27. Cybersecurity professionals work to identify and mitigate potential threats to systems.
28. The research team is making steady progress on their study of tarantula behavior.
29. The online course provides rich content to help learners grasp complex subjects.
30. Recent improvements in technology have transformed communication methods.

Answer

Multiple Choice: 1. Ransomware 2. Graphics 3. Version 4. Burrows 5. Species 6. Vulnerable 7. Controls 8. Prepares 9. Adopted 10. Progress

Gap-Fill: 11. cybersecurity 12. tarantulas 13. mating 14. evidence 15. technology 16. improvements 17. support 18. driver 19. issues 20. atlatl

Matching sentence: 1. classification 2. disable 3. palps 4. released 5. efficient 6. support 7. threat 8. progress 9. content 10. improvements

CATEGORY

1. Sci/Tech - LEVEL1

POST TAG

1. bizarre
2. ESL learning
3. esl news
4. Level 1
5. scientists
6. species
7. tarantula

Tags



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