



Bats Ride Storm Winds While Migrating

Description

Bats are starting to get attention for their long journeys, just like birds. A new study from the [Max Planck Institute of Animal Behavior](#) shows how common noctule bats travel.

Researchers used special tracking devices to watch the bats. They found that bats use storms to help them fly farther and save energy.

Edward Hurme, a researcher at the institute, said the data is amazing. It shows not just where bats go, but what they feel during their flights.

How Bats Move

The study looked at 71 bats during their spring migration. These bats did not follow set paths like birds. Instead, they took different routes but mostly went northeast.

The bats can fly up to 400 kilometers in one night. They do not gain weight before flying. They need to eat each night to keep going.

Bats and Weather

Researchers saw that bats often left when storms were coming. They use the wind from storms to help with their flights.

Vocabulary List:

1. **Migration** /maɪ'greɪʃən/ (noun): The process of moving from one place to another often seasonally.
2. **Journey** /'dʒɜːrni/ (noun): The act of traveling from one place to another.
3. **Tracking** /'trækɪŋ/ (verb): To follow and observe the movement of someone or something.
4. **Researchers** /rɪ'sɜːr.tʃərs/ (noun): People who conduct systematic investigations to establish facts and reach new conclusions.
5. **Storms** /stɔːrmz/ (noun): Severe weather characterized by strong winds rain snow or thunder.
6. **Energy** /'enərdʒi/ (noun): The capacity to do work or the power derived from utilization of physical or chemical resources.

Comprehension Questions



Multiple Choice

1. What method did researchers use to track the bats in the study?
 - Option: Radar technology
 - Option: Special tracking devices
 - Option: Satellite imaging
 - Option: Visual observation

2. In which direction did most of the bats in the study fly during their migration?
 - Option: Northwest
 - Option: South
 - Option: Northeast
 - Option: East

3. How far can bats fly in one night according to the study?
 - Option: 100 kilometers
 - Option: 200 kilometers
 - Option: 400 kilometers
 - Option: 600 kilometers

4. What do bats need to do each night to sustain their flight?
 - Option: Rest
 - Option: Migrate further
 - Option: Gain weight
 - Option: Eat

5. What type of weather did researchers observe bats leaving in the study?
 - Option: Sunny weather
 - Option: Snow
 - Option: Storms
 - Option: Fog

6. How do bats utilize storms based on the study findings?
 - Option: To hide from predators
 - Option: To rest
 - Option: To communicate with other bats
 - Option: To help with their flights



True-False

- 7. Bats follow set paths like birds during migration.
- 8. Bats gain weight before flying in the study.
- 9. The study observed 100 bats during their migration.
- 10. The bats in the study flew south during their migration.
- 11. Bats can fly using wind from storms to assist their flights.
- 12. Researchers at the Max Planck Institute of Animal Behavior led the study.

Gap-Fill

- 13. According to the study, bats can fly up to _____ kilometers in one night.
- 14. The bats did not gain weight before flying, but they needed to eat each night to keep going during their _____.
- 15. The study from the Max Planck Institute of Animal Behavior focused on the migratory behavior of common _____ bats.
- 16. Edward Hurme, a researcher at the institute, mentioned that the data from the study revealed not just where bats go, but also _____ they feel during their flights.
- 17. The researchers used special tracking devices to watch the bats and found that they sometimes utilize _____ to help them fly farther and save energy.
- 18. The bats in the study took different routes during their migration but mostly flew in the _____ direction.



Answer

Multiple Choice: 1. Special tracking devices 2. Northeast 3. 400 kilometers 4. Eat 5. Storms 6. To help with their flights

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

Gap-Fill: 13. 400 14. flights 15. noctule 16. what 17. storms 18. northeast

Vocabulary quizzes

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

1. How are fossils typically _____?

Option: Covered with rocks

Option: Damaged by sunlight

Option: Preserved in sediment or rock

Option: Left out in the open

2. Who are individuals that offer judgment or evaluation of something?

Option: Explorers

Option: Critics

Option: Scientists

Option: Artisans

3. What is the seasonal movement of animals from one region to another?

Option: Hibernation

Option: Migration

Option: Adaptation

Option: Evolution

4. What is a treatment intended to relieve or heal a disorder?

Option: Vaccination

Option: Therapy

Option: Medication

Option: Surgery

5. Natural phenomena characterized by strong winds and heavy rains are called _____.



- Option: Storms
- Option: Breezes
- Option: Calm
- Option: Soft showers

6. In what manner would you complete a task if you do it expeditiously?

- Option: Quickly
- Option: Slowly
- Option: Carefully
- Option: Thoughtfully

7. Data and facts regarding something are referred to as _____.

- Option: Intelligence
- Option: News
- Option: Information
- Option: Knowledge

8. What term describes a range of different things or people?

- Option: Uniformity
- Option: Diversity
- Option: Homogeneity
- Option: Monotony

9. Something not natural but created by humans is called _____.

- Option: Authentic
- Option: Genuine
- Option: Real
- Option: Artificial

10. What are results or consequences of actions events or situations called?

- Option: Beginnings
- Option: Outcomes
- Option: Intentions
- Option: Causations

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

11. The family embarked on a long _____ across the continent.

12. The team worked hard to build a strong sense of _____ among its members.



13. The latest _____ helped simplify everyday tasks for the users.
14. The news of their upcoming adventure was truly _____ for the group.
15. The school offered various extracurricular _____ for students to participate in.
16. The archaeologists _____ ancient ruins deep in the jungle.
17. Technology is constantly _____ to meet the changing needs of society.
18. The advanced _____ performed tasks with precision and efficiency.
19. Renewable sources of _____ are being explored to reduce dependence on fossil fuels.
20. Living organisms must _____ to changes in their surroundings to survive.

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

21. Ensuring diverse voices are heard in decision-making processes is crucial for proper representation.
22. The researchers used GPS technology for tracking the movements of the endangered species.
23. She mistakenly thought the event was on Friday instead of Thursday.
24. The team of scientists explored the uncharted territory in search of new species.
25. Promoting diversity and inclusion within the workplace leads to a more harmonious environment.
26. Mutual trust in a relationship is built on honesty and reliability.
27. The investigative journalist prepared a detailed report on the corruption scandal.
28. The fashion industry is continually evolving to reflect changing trends and consumer preferences.
29. The factory implemented robotic technology to streamline production processes.
30. The community center offers various programs for seniors to engage in social activities.



Answer

Multiple Choice: 1. Preserved in sediment or rock 2. Critics 3. Migration 4. Therapy 5. Storms 6. Quickly 7. Information 8. Diversity 9. Artificial 10. Outcomes

Gap-Fill: 11. Journey 12. Trust 13. Gadget 14. Exciting 15. Programs 16. Discovered 17. Evolving 18. Robot 19. Energy 20. Adapt

Matching sentence: 1. Representation 2. Tracking 3. Mistakenly 4. Explored 5. Inclusion 6. Trust 7. Report 8. Evolving 9. Robot 10. Programs

CATEGORY

1. Sci/Tech - LEVEL1

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Author

aimeeyoung99

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