



Jays Demonstrate Episodic-like Memory: The Intelligence of Bird Brains

Description

Eurasian Jays Surprise Scientists with Human-like Memory Skills

A recent study has revealed that Eurasian jays possess a type of memory known as episodic-like memory, previously believed to be unique to humans. These birds were able to remember specific details of past events, such as the visual characteristics of cups used in a food-hiding experiment.

The findings suggest that episodic memory may not be exclusive to humans and could play a crucial role in helping jays locate stored food. Similar to "mental time travel" in humans, episodic-like memory enables jays to consciously recall past experiences and remember seemingly inconsequential details.

In the study conducted by James Davies from the University of Cambridge, seven Eurasian jays participated in a memory experiment. The birds demonstrated an impressive ability to remember the visual characteristics of cups even after a change in location and a time delay.

These results highlight the remarkable memory capabilities of Eurasian jays and raise intriguing questions about the nature of memory in non-human animals. The researchers hope to further explore how jays utilize episodic-like memory in various scenarios beyond finding food stores.

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Vocabulary List:

1. **Episodic-like** // (adjective): Resembling or similar to episodic memory.
2. **Crucial** // (adjective): Of vital importance essential.
3. **Consciously** // (adverb): In a way that involves awareness and intention.
4. **Inconsequential** // (adjective): Of little or no importance insignificant.
5. **Remarkable** // (adjective): Worthy of attention extraordinary.
6. **Intriguing** // (adjective): Arousing curiosity or interest fascinating.

Vocabulary quizzes

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

1. Which adjective describes a video game that can be engaged with by a player?
Option: Inconsequential
Option: Ultimate
Option: Playable
Option: Advanced
2. What term is used to describe something mysterious or puzzling?
Option: Futuristic
Option: Enigmatic
Option: Simple
Option: Ordinary
3. Which term is synonymous with captivating or interesting?
Option: Structured
Option: Intriguing
Option: Regular
Option: Unremarkable
4. What word means extremely important or essential?
Option: Insignificant
Option: Crucial
Option: Trivial
Option: Optional



5. Which term is used to describe something extremely interesting or captivating?

- Option: Ordinary
- Option: Fascinating
- Option: Basic
- Option: Predictable

6. Which term refers to something that has developed and changed over time?

- Option: Stagnant
- Option: Dynamic
- Option: Evolved
- Option: Decayed

7. What is the term for a pledge or promise to do something?

- Option: Indifference
- Option: Commitment
- Option: Avoidance
- Option: Negligence

8. What word relates to something that is ahead of its time or modern?

- Option: Outdated
- Option: Innovative
- Option: Futuristic
- Option: Obsolete

9. Which term denotes something of superior quality or value?

- Option: Basic
- Option: Standard
- Option: Premium
- Option: Average

10. What phrase describes something extremely slim or skinny?

- Option: Thick
- Option: Broad
- Option: Ultra-thin
- Option: Bulky

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

11. A _____ is essential in creating an engaging story.

12. Making _____ progress requires dedication.



13. The company decided to _____ its logo for a fresh look.
14. _____ energy is considered a clean and renewable source.
15. The hermit lived a _____ existence in the mountains.
16. _____ trends helps businesses plan for the future.
17. She _____ chose a healthier lifestyle.
18. Over time technology has _____ rapidly.
19. The company prides itself on its _____ technology.
20. Her progress in the project was truly _____ .

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

21. The architect's design plan involved eco-friendly materials into the construction.
22. She was by the enigmatic screenplay and wanted to learn more.
23. The polar regions are known for their stunning displays of shimmering in the night sky.
24. The course was highly with clear milestones for each assignment.
25. The new smartphone boasted an design that set it apart from competitors.
26. The artist's latest work explores the of time and memory.
27. The ancient relic remained an mystery to historians.
28. Economists rely on accurate data for effective financial .
29. The company has its product line to meet changing consumer demands.
30. Her daily routine was highly to maximize efficiency.

Answer

Multiple Choice: 1. Playable 2. Enigmatic 3. Intriguing 4. Crucial 5. Fascinating 6. Evolved 7. Commitment 8. Futuristic



9. Premium 10. Ultra-thin

Gap-Fill: 11. narrative 12. significant 13. redesign 14. Solar 15. Lonely 16. Forecasting 17. consciously
18. evolved 19. cutting-edge 20. remarkable

Matching sentence: 1. incorporating 2. intrigued 3. auroras 4. structured 5. ultra-thin 6. concept 7. enigmatic
8. forecasting 9. evolved 10. structured

CATEGORY

1. Sci/Tech - LEVEL2

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