



Alarm Grows as Florida Dolphin Succumbs to Bird Flu, Raising Concerns of Spread among Species

Description

Florida scientists have discovered a concerning case of avian influenza in a bottlenose dolphin. The highly pathogenic H5N1 virus was found in the dolphin's lungs and brain, marking the first known occurrence in a cetacean in North America. The dolphin was discovered in distress and later died, prompting researchers to investigate further.

Although the virus did not show genetic changes that would ease transmission to mammals, experts warn of potential risks. The rapid mutation of flu viruses raises concerns about the threat they may pose to marine mammals. The researchers are actively studying the case to determine the source of the infection and assess the potential for future cross-species transmission.

This groundbreaking discovery sheds light on the diverse range of animals at risk from avian flu strains. Scientists emphasize the importance of monitoring and understanding these viruses to protect both human and animal health. The investigation is ongoing, with efforts aimed at preventing further spread of the virus among marine mammal populations.

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Vocabulary List:

1. **Avian** // (adjective): Relating to birds.
2. **Pathogenic** // (adjective): Capable of causing disease.
3. **Cetacean** // (noun): A marine mammal of the order Cetacea including whales, dolphins, and porpoises.
4. **Mutation** // (noun): A permanent change in the nucleotide sequence of a gene or chromosome.
5. **Emphasize** // (verb): To give special importance or attention to something.
6. **Transmission** // (noun): The action or process of transmitting something.

Vocabulary quizzes

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

1. What is the term for being admitted to a hospital for medical treatment?
Option: Surgery
Option: Check-up
Option: Hospitalization
Option: Home care
2. What term refers to the mental action or process of acquiring knowledge and understanding?
Option: Intuition
Option: Cognition
Option: Reaction
Option: Sensation
3. What word describes the changing of the structure of a gene resulting in a variant form?
Option: Evolution
Option: Emphasis
Option: Mutation
Option: Adaptation
4. Which term is related to or concerning birds?
Option: Aquatic
Option: Reptilian
Option: Mammalian
Option: Avian
5. Which nutrient is commonly found in seafood and is essential for brain health?



- Option: Vitamin D
- Option: Protein
- Option: Omega-3
- Option: Iron

6. What term describes the ability to produce a desired or intended result?

- Option: Probable
- Option: Functioning
- Option: Effective
- Option: Difficulty

7. Which word means to give special importance or prominence to something in speaking or writing?

- Option: Ignore
- Option: Downplay
- Option: Emphasize
- Option: Mimic

8. What term refers to the action or process of recognizing or being recognized?

- Option: Confusion
- Option: Denial
- Option: Recognition
- Option: Oblivion

9. Which term describes the state of being separated from other people or things?

- Option: Inclusion
- Option: Integration
- Option: Isolation
- Option: Cooperation

10. Which word means to eat drink or ingest?

- Option: Preserve
- Option: Discard
- Option: Consume
- Option: Neglect

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

11. Overcoming _____ in life can lead to personal growth and development.

12. The _____ nature of the virus led to widespread illness.



13. Addressing the economic _____ in society is essential for achieving equality.
14. A _____ area has a population of 10,000 to 50,000 people.
15. The baby was born _____ and required special care in the neonatal unit.
16. It is _____ to eat a balanced diet for overall health.
17. The team's performance was good but it was just _____ of winning the championship.
18. Vitamins and minerals are _____ for the body to function properly.
19. Lack of sleep _____ cognitive function and decision-making abilities.
20. Medical _____ are required to treat the patient's condition.

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

21. The student showed talent in mathematics far surpassing his peers.
22. The doctor the patient with a rare autoimmune disorder.
23. The marine biologist studied the behavior of species such as dolphins and whales.
24. are a type of brain cell that produce myelin protecting nerve fibers.
25. The rapid of the virus necessitated strict containment measures.
26. Exploring new career can lead to unexpected opportunities.
27. The research results showed potential for future applications in medicine.
28. His expertise in the field was widely by his colleagues.
29. The accident left him with an ability to walk unaided.
30. Excessive alcohol can have serious health consequences.



Answer

Multiple Choice: 1. Hospitalization 2. Cognition 3. Mutation 4. Avian 5. Omega-3 6. Effective 7. Emphasize 8. Recognition 9. Isolation 10. Consume

Gap-Fill: 11. Challenges 12. Pathogenic 13. Disparities 14. Micropolitan 15. Premature 16. Recommended 17. Falling short 18. Essential 19. Impairs 20. Interventions

Matching sentence: 1. Exceptional 2. Diagnosed 3. Cetacean 4. Oligodendrocytes 5. Transmission 6. Avenues 7. Promising 8. Recognized 9. Impaired 10. Consumption

CATEGORY

1. Health - LEVEL2

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