

Future Disease Risk from Mosquitos in Scotland due to Climate Change

Description

Scientists at the University of Glasgow have discovered 16 different varieties of mosquitoes in Scotland, including the *Culex pipiens*, a common type found in North and South America, Europe, Asia, and Northern Africa. Professor Heather Ferguson, the lead researcher, expressed surprise at finding mosquitoes in all corners of the country. These insects, known for carrying deadly diseases like dengue and Zika, could thrive due to warmer temperatures, leading to potential risks. The World Health Organization estimates that millions of people contract malaria from mosquitoes globally each year, resulting in thousands of deaths.

Dr. Nick Phin from Public Health Scotland highlighted concerns about the spread of mosquito-borne viruses across Europe, with the potential for diseases like West Nile virus to reach the UK. Authorities are closely monitoring mosquito populations in Scotland through traps set up at various locations. The Scottish government is funding research to better understand the risks associated with invasive mosquitoes. Establishing a formal surveillance system is crucial to detecting and preventing the breeding of disease-carrying mosquitoes in the UK. It is essential to continue systematic monitoring to detect early incursions of these insects into Scotland.

Vocabulary List:

1. **Varieties** // (noun): Different types or forms of something.
2. **Mosquitoes** // (noun): Small flying insects that suck blood and can transmit diseases.
3. **Invasive** // (adjective): Tending to spread aggressively and harmfully.
4. **Surveillance** // (noun): Close observation or monitoring.
5. **Incursions** // (noun): Sudden invasion or attack.
6. **Traps** // (noun): Devices used to capture or control animals.

Vocabulary quizzes

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

1. Which term refers to different types or kinds of something?

Option: Invasive
Option: Varieties
Option: Legacy
Option: Complications

2. Which insects are known for transmitting diseases like malaria and Zika?

- Option: Varieties
- Option: Traps
- Option: Mosquitoes
- Option: Interventions

3. Which term refers to something handed down from the past or a person's impact on future generations?

- Option: Legacy
- Option: Xenotransplantation
- Option: Predispose
- Option: Implications

4. What medical procedure involves moving an organ or tissue from one person to another?

- Option: Transplant
- Option: Influence
- Option: Bold
- Option: Sepsis

5. Which term describes something innovative and pioneering?

- Option: Outcome
- Option: Microbiome
- Option: Groundbreaking
- Option: Defy

6. What type of medication is used to treat bacterial infections?

- Option: Antibiotic
- Option: Mortality
- Option: Incurable
- Option: Ventilator

7. Which term relates to chemicals that are involved in the functioning of the nervous system?

- Option: Neurochemical
- Option: Affect
- Option: Beacon
- Option: Implications

8. Which term describes a species that spreads rapidly and causes harm to its environment?

- Option: Beacon
- Option: Invasive
- Option: Incursions
- Option: Mourn

9. What medical procedure involves transplanting organs or cells between different species?

- Option: Xenotransplantation
- Option: Predispose
- Option: Influence
- Option: Revolutionize

10. Which term refers to the monitoring of an area activities or individuals?

- Option: Complications
- Option: Surveillance
- Option: Mortality
- Option: Traps

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

11. _____ into the forest by loggers can have devastating effects on wildlife populations.

12. Surgery always carries some risk of _____ which the doctor will discuss with you before the operation.

13. The economic downturn had serious _____ for small businesses in the region.

14. Parents have a significant _____ on their children's development and behavior.

15. The study aimed to analyze the factors affecting infant _____ in underdeveloped countries.

16. The lighthouse acted as a _____ for ships navigating through the treacherous waters.

17. Patients with severe respiratory problems may require the assistance of a _____ to help them breathe.

18. The community came together to _____ the passing of a beloved teacher.

19. Genetic factors can _____ individuals to certain health conditions.

20. The research team set up mosquito _____ to monitor the population in the area.

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

21. The philanthropist left behind a of charitable work that continues to benefit the community.
22. involves the transplantation of organs or tissues from one species to another with the goal of saving human lives.
23. The new technological breakthrough has the potential to the way we approach healthcare.
24. Prompt treatment is crucial in managing severe cases of a life-threatening condition.
25. The recent policy changes are expected to a wide range of industries and businesses.
26. The remarkable recovery of the patient seemed to all medical expectations.
27. The company made a decision to enter a new market with innovative products.
28. The mayor took the opportunity to the efforts of the emergency responders during the crisis.
29. The study aimed to analyze the factors affecting infant in underdeveloped countries.
30. The gut plays a crucial role in digestion and overall health.

Answer

Multiple Choice: 1. Varieties 2. Mosquitoes 3. Legacy 4. Transplant 5. Groundbreaking 6. Antibiotic
7. Neurochemical 8. Invasive 9. Xenotransplantation 10. Surveillance

Gap-Fill: 11. Incursions 12. Complications 13. Implications 14. Influence 15. Mortality 16. Beacon 17. Ventilator 18. Mourn 19. Predispose 20. Traps

Matching sentence: 1. Legacy 2. Xenotransplantation 3. Revolutionize 4. Sepsis 5. Affect 6. Defy 7. Bold
8. Commend 9. Mortality 10. Microbiome

CATEGORY

1. Health - LEVEL4

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