

## China Intensifies HMPV Monitoring as New Virus Emerges

### **Description**

In a recent development, scientists have made an important discovery about how plants grow. They found a new hormone that helps plants develop better. Hormones are special chemicals that tell plants how to grow and respond to their environment. This new hormone, identified by researchers, appears to play a crucial role in how plants adapt to changes like different amounts of light or water.

The research team, made up of scientists from several countries, conducted experiments on different types of plants in their laboratories. They observed that plants with higher levels of this hormone grew stronger and healthier compared to those with less of it. This finding is exciting because it could help farmers grow more food. With this new knowledge, farmers might be able to use the hormone to boost the growth of their crops, even in difficult weather conditions.

Additionally, this discovery could help in fighting climate change. As the planet warms up, some areas are experiencing more droughts and unpredictable weather. By using this hormone, scientists believe that plants could become more resilient. This means they would survive better in tough conditions, ensuring that there is enough food for everyone.

The next step for the researchers is to further explore how this hormone works and how it can be used effectively in agriculture. They are hopeful that, in the near future, they can develop new ways for farmers to apply this hormone to their plants, leading to better harvests. This promising discovery underscores the importance of scientific research in solving global challenges.

## **Vocabulary List:**

- 1. **Hormone** /'hɔːr.moʊn/ (noun): A special chemical produced by plants that regulates growth and response to the environment.
- 2. Crucial /'kru:.ʃəl/ (adjective): Of great importance; critical.
- 3. **Resilient** /rɪˈzɪl.jənt/ (adjective): Able to withstand or recover quickly from difficult conditions.
- 4. **Experiments** /ɪkˈspεr.ɪ.mənt/ (noun): Scientific procedures undertaken to make a discovery or demonstrate a known fact.
- 5. **Discovery** /dɪ'skʌv.ə.ri/ (noun): The act of finding or learning something for the first time.
- 6. **Droughts** /draʊt/ (noun): Prolonged periods of abnormally low rainfall leading to a water shortage.

# **Comprehension Questions**



#### **Multiple Choice**

1. What did scientists discover about how plants grow?

Option: A new hormone that helps plants develop better

Option: A new technology to control plant growth

Option: A new method for watering plants Option: A new type of soil for plant growth

2. What is the role of hormones in plants?

Option: To control the color of the leaves

Option: To respond to changes in the environment

Option: To control the height of plants

Option: To produce fruit

3. Why is the discovery of the new hormone exciting?

Option: It can help plants change their DNA
Option: It can boost the growth of crops
Option: It can change the taste of fruits
Option: It can make plants grow faster

4. What could the use of the new hormone help farmers achieve?

Option: Increase plant height Option: Produce more flowers

Option: Grow more food Option: Change plant colors

5. How could the new hormone help fight climate change?

Option: By reducing plant growth

Option: By increasing water consumption Option: By making plants more resilient Option: By causing more droughts

6. What is the next step for the researchers following the discovery?

Option: Develop new ways to control pests

Option: Further explore how the hormone works

Option: Create artificial plants

Option: Research new fertilizer types



#### **True-False**

- 7. The new hormone discovered by scientists is expected to have no impact on plant growth.
- 8. The research team consisted of scientists from only one country.
- 9. The new hormone plays a crucial role in how plants adapt to changes in light and water.
- 10. Using the new hormone could help farmers grow less food.
- 11. Plants with higher levels of the new hormone grew weaker and less healthy.
- 12. This promising discovery highlights the significance of scientific research in addressing global challenges.

#### **Gap-Fill**

13. Plants with higher levels of the new hormone grew stronger and healthier compared to those with
of it.
14. The discovery of the new hormone could help farmers grow more food, even in difficult
conditions.
15. The researchers aim to further explore how the new hormone works and how it can be used effectively
in
16. Scientists believe that by using the new hormone, plants could become more
to tough conditions.
17. This discovery underscores the importance of scientific research in solving
challenges.

18. The new hormone identified by researchers appears to play a crucial role in how plants adapt to



changes like different amounts of light or \_\_

### **Answer**

Multiple Choice: 1. A new hormone that helps plants develop better 2. To respond to changes in the environment 3. It can boost the growth of crops 4. Grow more food 5. By making plants more resilient 6. Further explore how the hormone works

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

Gap-Fill: 13. less 14. weather 15. agriculture 16. resilient 17. global 18. water

## Vocabulary quizzes

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

SL-NEWS.COM 1. Which natural disaster can significantly impact an ecosystem?

Option: Droughts Option: Earthquakes Option: Tornadoes Option: Floods

2. Who conducts scientific studies and experiments to make new discoveries?

**Option: Doctors** Option: Researchers Option: Engineers **Option: Teachers** 

3. What is the instinctual drive to stay alive in challenging situations called?

Option: Relaxation Option: Excitement Option: Survival Option: Adaptation

4. Which substance acts as a chemical messenger in the body?

Option: Vitamin Option: Mineral Option: Hormone Option: Antibody

5. What is the obligation to take care of something or someone known as?



Option: Leisure	
Option: Freedom	
Option: Responsibility	
Option: Carelessness	
6. Where are well-equipped places or service	es provided for a particular purpose?
Option: Streets	
Option: Homes	
Option: Parks	
Option: Facilities	
7. What term is used to describe finding or	earning something new?
Option: Loss	
Option: Discovery	
Option: Forgetfulness	
Option: Mistake	
8. What encourages an individual to take ac	adividuals or animals called?
Option: Procrastination	
Option: Motivation	
Option: Rejection	
Option: Demotivation	
9. What is the bond or friendship between in	ndividuals or animals called?
Option: Loneliness	
Option: Isolation	
Option: Companionship	
Option: Rivalry	
10. What term describes a disease that spre	eads over a large geographic area?
Option: Epidemic	
Option: Outbreak	
Option: Pandemic	
Option: Endemic	
Gap-Fill ( Fill in the blanks with the co	rrect word from the vocabulary list. )
11. Understanding the	nature of the human brain requires extensive research.
	or and
12. It is essential to take breaks to	one's energy and focus.



13. Always ensure that your sources of information are credible and		
14. Success is often the result of consistent hard work and determined		
15. Not achieving your goals can leave you feeling and demotivated.		
16. The team was well to handle any challenges that came their way.		
17. After the long weekend the company had a significant of work to catch up on.		
18. Proper communication is in maintaining healthy relationships.		
19. The couple strolled through the park at a pace enjoying the sunshine.		
20. Regular exercise and a balanced diet are essential for overall health and		
Matching Sentences ( Match each definition to the correct word from the vocabulary list. )		
21. The immune system uses antibodies to protect the body from harmful invaders.		
22. Scientists conduct controlled tests to study the effects of different variables.		
23. Despite facing adversity the community showed remarkable strength and adaptability.		
24. Individuals who volunteered for the research study were considered the participants.		
25. The cozy blanket provided warmth and a sense of security during the cold night.		
26. The pep talk from the coach inspired the team to give their best performance.		
27. The interdependent relationships of plants animals and the environment form an ecosystem.		
28. The state-of-the-art gymnasium offers top-notch facilities for fitness enthusiasts.		
29. Endocrine glands secrete hormones that regulate various bodily functions.		
30. Taking care of a pet comes with the responsibility of providing food shelter and love.		

### **Answer**

**Multiple Choice:** 1. Droughts 2. Researchers 3. Survival 4. Hormone 5. Responsibility 6. Facilities 7. Discovery 8. Motivation



9. Companionship 10. Pandemic

**Gap-Fill:** 11. complex 12. renew 13. valid 14. efforts 15. frustrated 16. equipped 17. backlog 18. crucial 19. leisurely 20. well-being

**Matching sentence:** 1. Defenses 2. Experiments 3. Resilient 4. Participants 5. Comfort 6. Motivation 7. Ecosystem 8. Facilities 9. Hormones 10. Responsibility

#### **CATEGORY**

1. Health - LEVEL3

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