



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.məʊn/ (noun): A special chemical produced by plants that regulates growth and response to the environment.
2. **Crucial** /'kruː.ʃəl/ (adjective): Of great importance; critical.
3. **Resilient** /rɪ'zɪl.jənt/ (adjective): Able to withstand or recover quickly from difficult conditions.
4. **Experiments** /ɪk'sper.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.)

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 services provided for a particular purpose?

- Option: Streets
- Option: Homes
- Option: Parks
- Option: Facilities

7. What term is used to describe finding or learning something new?

- Option: Loss
- Option: Discovery
- Option: Forgetfulness
- Option: Mistake

8. What encourages an individual to take action or work towards a goal?

- Option: Procrastination
- Option: Motivation
- Option: Rejection
- Option: Demotivation

9. What is the bond or friendship between individuals or animals called?

- Option: Loneliness
- Option: Isolation
- Option: Companionship
- Option: Rivalry

10. What term describes a disease that spreads over a large geographic area?

- Option: Epidemic
- Option: Outbreak
- Option: Pandemic
- Option: Endemic

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

11. Understanding the _____ nature of the human brain requires extensive research.

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

Date Created

2025/01/06

Author

aimeeyoung99

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