



Hospital Recovers from Hurricane with Air-Water System

Description

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A children's hospital lost water after Hurricane Milton. They now use a machine to make water from the air. It's a test for emergencies.

Genesis Systems in Florida made the device. It takes moisture from the air and turns it into clean water. The system can work alone without other water systems.

Similar machines give water to places with no normal water supply. The hospital got this system during Hurricane Milton. It can make up to 2000 gallons of water per day. The hospital is still fixing its regular water supply.

Using air to make water is a fast way to get water in an emergency. It's important to have backup plans for water in disasters. Machines like this one can help when water systems are down for a long time.

Vocabulary List:

1. **Emergency** /ɪ'mɜːrdʒənsi/ (noun): A serious unexpected situation requiring immediate action.
2. **Moisture** /'mɔɪs.tʃər/ (noun): Water diffused in the atmosphere especially in the form of small droplets.
3. **Disasters** /dɪ'zæ.s.tər/ (noun): Events causing great damage or hardship.
4. **System** /'sɪs.təm/ (noun): A set of connected things or parts forming a complex whole.
5. **Supply** /sə'plaɪ/ (noun): The amount of something that is available for use.
6. **Installation** /,ɪn.stə'leɪ.ʃən/ (noun): The act of putting something in place for use.

Comprehension Questions

Multiple Choice

1. Which hospital lost water after Hurricane Milton?

- Option: Johns Hopkins Hospital
- Option: All Children's Hospital
- Option: Genesis Systems Hospital
- Option: Florida Hospital

2. What does the machine at the hospital do?

- Option: Produce electricity
- Option: Generate food
- Option: Make water from the air
- Option: Provide medical supplies



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3. Who made the device that produces water from the air?
- Option: Genesis Systems
 - Option: Johns Hopkins
 - Option: Florida Waterworks
 - Option: Milton Technologies
4. How much water can the hospital system produce per day?
- Option: 500 gallons
 - Option: 1000 gallons
 - Option: 2000 gallons
 - Option: 5000 gallons
5. What is the purpose of using air to make water in an emergency?
- Option: Energy generation
 - Option: Home decoration
 - Option: Water preservation
 - Option: Emergency water supply
6. What is the importance of having backup plans for water in disasters?
- Option: To increase electricity consumption
 - Option: To enhance communication systems
 - Option: To ensure water availability
 - Option: To improve transportation networks

True-False

7. The hospital system can produce water solely from the air without other water systems.
8. The hospital received the water-producing system after Hurricane Johns Hopkins.
9. The hospital is currently operational and does not require any water supply fixes.
10. Making water from the air can serve as a quick solution in emergency situations.
11. The system can only produce a limited amount of water per day.
12. Emergency backup plans are unnecessary for ensuring water access during disasters.



Gap-Fill

14. The hospital got the system that produces water from the air during _____ Milton.
15. The hospital is making up to _____ gallons of water per day using the air-to-water system.
16. Using air to make water is a fast way to get water in an emergency. It is crucial to have backup plans for water in _____.
17. Machines like the one at the hospital can assist when water systems are down for a _____ time.
18. The hospital is still working on fixing its _____ water supply.

Answer

Multiple Choice: 1. All Children's Hospital 2. Make water from the air 3. Genesis Systems 4. 2000 gallons 5. Emergency water supply 6. To ensure water availability

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

Gap-Fill: 14. Hurricane 15. 2000 16. disasters 17. long 18. regular

Vocabulary quizzes

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

1. Which type of crime involves the use of computers or the internet?
Option: A. Cybercrime
Option: B. Homicide
Option: C. Robbery
Option: D. Arson
2. What is a sudden and unexpected situation that requires immediate action?
Option: A. Emergency
Option: B. Routine



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- Option: C. Normalcy
Option: D. Predictable
3. Which structure is designed to help plants grow by capturing sunlight and trapping heat?
Option: A. Warehouse
Option: B. Greenhouse
Option: C. Stable
Option: D. Silo
4. What is a severe tropical storm with strong winds and heavy rain?
Option: A. Typhoon
Option: B. Hurricane
Option: C. Tornado
Option: D. Blizzard
5. What are natural fuels formed from the remains of living organisms?
Option: A. Solar Energy
Option: B. Nuclear Energy
Option: C. Fossil Fuels
Option: D. Wind Power
6. A set of connected things or parts forming a complex whole.
Option: A. Isolation
Option: B. System
Option: C. Fragment
Option: D. Disarray
7. What is another term for dampness or water content in the air or soil?
Option: A. Aridity
Option: B. Humidity
Option: C. Searing
Option: D. Barrenness
8. Which mineral is often used in electronics and watches due to its piezoelectric properties?
Option: A. Quartz
Option: B. Diamond
Option: C. Emerald
Option: D. Topaz
9. What activity involves extracting valuable minerals or other geological materials from the earth?
Option: A. Farming
Option: B. Mining
Option: C. Construction



Option: D. Fishing

10. The ability or permission to enter or obtain something is known as:

- Option: A. Inhibition
- Option: B. Access
- Option: C. Prohibition
- Option: D. Limitation

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

- 11. _____ is gained through involvement in events or activities.
- 12. Natural _____ such as earthquakes and tsunamis can cause widespread damage.
- 13. The process of setting up or putting something in place is called _____.
- 14. In situations of _____ people's behavior can vary greatly.
- 15. Safety measures can help to _____ accidents in the workplace.
- 16. The court issued a _____ on the legality of the new law.
- 17. There are certain _____ in place to regulate access to sensitive information.
- 18. Some online services offer _____ recommendations based on your browsing history.
- 19. The environmental _____ fought for stricter regulations on carbon emissions.
- 20. _____ is a commonly used material in the production of semiconductors.
- 21. Some individuals have _____ data stored on their devices that must be protected.

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

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| 22. Engaging in illegal activities or behavior that is punishable by law. |
| 23. A person's education experience and previous actions or history. |
| 24. An event occurrence or situation that is noteworthy or concerning. |
| 25. Providing goods or services to fulfill a demand or need. |



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| 26. An unexpected situation requiring immediate action or attention. |
| 27. The potential effects consequences or outcomes of a certain action or event. |
| 28. The presence of water or dampness in the air or on surfaces. |
| 29. A severe tropical storm with strong winds and heavy rainfall. |
| 30. Vessels used for melting substances at high temperatures. |
| 31. The right or ability to enter or use something. |

Answer

Multiple Choice: 1. A. Cybercrime 2. A. Emergency 3. B. Greenhouse 4. B. Hurricane 5. C. Fossil Fuels 6. B. System 7. B. Humidity 8. A. Quartz 9. B. Mining 10. B. Access

Gap-Fill: 11. Experience 12. Disasters 13. Installation 14. Extremes 15. Prevent 16. Ruling 17. Restrictions 18. Personalized 19. Campaigner 20. Silicon 21. Sensitive

Matching sentence: 1. Criminal 2. Background 3. Incident 4. Supply 5. Emergency 6. Implications 7. Moisture 8. Hurricane 9. Crucibles 10. Access

CATEGORY

1. Sci/Tech - LEVEL1

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