



The Curiosity rover from NASA uncovers an astounding discovery on Mars

Description

NASA's Curiosity rover has recently made a groundbreaking discovery on Mars that has left scientists in awe. The rover found pure sulfur crystals, a substance that was unexpected to be found on the Red Planet. This discovery adds to the growing evidence that Mars was once a habitable world.

The sulfur crystals were uncovered by accident as Curiosity traveled through the Gediz Vallis channel. While minerals containing sulfur have been observed on Mars before, finding pure sulfur on its own was unprecedented. The discovery has sparked new questions and excitement among the scientific community.

This finding, along with the presence of other life-sustaining elements like carbon and water, hints at the possibility of Mars once being a thriving planet. The rover's mission to explore Mount Sharp has provided valuable insights into the planet's history and potential for past life.

Curiosity's unexpected discovery has opened up new avenues for research and exploration, shedding light on the mysterious history of Mars and its potential for sustaining life.

Vocabulary List:

1. **Groundbreaking** /'graʊnd,breɪ.kɪŋ/ (adjective): Innovative or pioneering; introducing new ideas or methods.
2. **Habitable** /'hæbɪtəbl/ (adjective): Capable of being lived in; suitable for life.
3. **Unprecedented** /ʌn'preɪsɪ,dɛntɪd/ (adjective): Never done or known before; without previous example.
4. **Avenues** /'ævə,nju:z/ (noun): Possible courses of action or approaches.
5. **Sustaining** /sə'steɪnɪŋ/ (adjective): Supporting or maintaining; providing the necessities for survival.
6. **Discovery** /dɪs'kʌvəri/ (noun): The act of finding or uncovering something previously unknown.

Comprehension Questions

Multiple Choice

1. What was the groundbreaking discovery made by NASA's Curiosity rover on Mars?
Option: a) Oxygen crystals



- Option: b) Sulfur crystals
- Option: c) Diamond crystals
- Option: d) Gold crystals

2. Where were the sulfur crystals found on Mars?

- Option: a) Olympus Mons
- Option: b) Valles Marineris
- Option: c) Gediz Vallis
- Option: d) Mount Sharp

3. What does the discovery of pure sulfur crystals on Mars suggest?

- Option: a) Mars never had life
- Option: b) Mars was habitable in the past
- Option: c) Mars will be habitable in the future
- Option: d) Mars has always been a barren planet

4. Which of the following elements are mentioned as being present on Mars?

- Option: a) Gold and platinum
- Option: b) Carbon and water
- Option: c) Silver and mercury
- Option: d) Aluminum and iron

5. Where is Curiosity rover on a mission to explore on Mars?

- Option: a) Elysium Mons
- Option: b) Olympus Mons
- Option: c) Mount Sharp
- Option: d) Tharsis Region

6. What has Curiosity's discovery on Mars opened up for research and exploration?

- Option: a) New wormholes
- Option: b) Ancient artifacts
- Option: c) New avenues for research
- Option: d) Treasure chests

Answer

Multiple Choice: 1. b) Sulfur crystals 2. c) Gediz Vallis 3. b) Mars was habitable in the past 4. b) Carbon and water 5. c) Mount Sharp 6. c) New avenues for research



Vocabulary quizzes

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

1. What is a vast system of stars that include the Earth and the Sun?
Option: A) Universe
Option: B) Galaxy
Option: C) Nebula
Option: D) Constellation
2. What term is used to describe extremely large black holes with masses millions to billions of times that of the Sun?
Option: A) Miniature
Option: B) Supermassive
Option: C) Moderate
Option: D) Average
3. What is the process of adding more of a nutrient or substance to something?
Option: A) Depletion
Option: B) Reduction
Option: C) Enrichment
Option: D) Deprivation
4. Which substance is typically hard shiny malleable fusible and ductile with good electrical and thermal conductivity?
Option: A) Metal
Option: B) Plastic
Option: C) Wood
Option: D) Paper
5. What term refers to new methods or ideas to make something better or more efficient?
Option: A) Traditions
Option: B) Innovations
Option: C) Conventions
Option: D) Rituals
6. Which term describes the power or ability to do something?



- Option: A) Restrictions
- Option: B) Impediments
- Option: C) Potentials
- Option: D) Capabilities

7. What term describes the quality of being suited to serve a purpose well?

- Option: A) Inefficiency
- Option: B) Dysfunctionality
- Option: C) Functionality
- Option: D) Ineffectiveness

8. What term is used to describe something innovative or pioneering?

- Option: A) Commonplace
- Option: B) Traditional
- Option: C) Groundbreaking
- Option: D) Conventional

9. What term describes a process that is smooth and continuous with no apparent gaps or interruptions?

- Option: A) Bumpy
- Option: B) Disjointed
- Option: C) Seamless
- Option: D) Disconnected

10. What term refers to the act of supervising and checking continuously over time?

- Option: A) Ignoring
- Option: B) Overlooking
- Option: C) Monitoring
- Option: D) Neglecting

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

- 11. The explorers made a _____ that led to the finding of an ancient civilization.
- 12. The hikers were well _____ with all the necessary gear for their journey.
- 13. The company achieved _____ success with its latest product launch.
- 14. The software update _____ the performance of the application.
- 15. There was much _____ about the outcome of the election.



16. The fans waited in _____ for the release of the new album.
17. The new version of the phone comes with several _____ to its camera features.
18. Physical fitness is at the _____ of a healthy lifestyle.
19. The construction of the bridge required a large amount of _____.
20. The entrepreneur explored various _____ to expand her business globally.

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

21. They conducted experiments to test their hypotheses and gather data for analysis.
22. Efforts to protect the environment are essential for ensuring the future of our planet.
23. The archaeological team unearthed ancient artifacts that shed light on early civilizations.
24. The tailor offered personalized options to ensure each customer's satisfaction.
25. The car manufacturer built a strong frame to serve as the foundation for the vehicle.
26. The coded messages were difficult to decipher without the key.
27. The air was filled with excitement as the audience waited for the performer to take the stage.
28. Technology companies are constantly striving to introduce new inventions to stay ahead in the market.
29. Analysts conducted side-by-side evaluations of the competing products to determine their strengths and weaknesses.
30. The aim is to combine different systems seamlessly to create a unified solution.

Answer

Multiple Choice: 1. B) Galaxy 2. B) Supermassive 3. C) Enrichment 4. A) Metal 5. B) Innovations 6. D) Capabilities 7. C) Functionality 8. C) Groundbreaking 9. C) Seamless 10. C) Monitoring

Gap-Fill: 11. discovery 12. equipped 13. unprecedented 14. enhanced 15. speculation 16. anticipation 17. enhancements 18. core 19. metal 20. avenues

Matching sentence: 1. researchers 2. sustaining 3. discovery 4. customization 5. chassis 6. cryptic 7. anticipation



8. innovations 9. comparisons 10. integrate

CATEGORY

1. Sci/Tech - LEVEL2

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