



NASA's Curiosity Rover Discovers Unexplained Honeycomb Pattern on Mars

Description

NASA's Curiosity rover took a photo of a strange honeycomb pattern on Mars. This happened after 14 years of exploring the Red Planet. Scientists are confused about how this pattern formed.

Curiosity found this honeycomb-like texture while exploring Gale Crater. The rover team saw shapes that looked like a giant honeycomb. They also noticed more eroded shapes and dark rocks nearby.

Researchers are not sure where these rocks came from. They may have fallen from higher ground, been pushed by an impact, or come from space. Mission scientists were surprised to see new details when they compared close-up images with pictures taken from above Mars.

It is unclear how this honeycomb shape formed. Mars has had many explosions, water flow, and strong winds over billions of years. These processes could have created the unusual shapes.

Curiosity continues to explore Mars. It will soon look at darker materials that appear rougher. Scientists hope to learn more about the planet's past and its possible links to life.

Vocabulary List:

1. **honeycomb** //ˈhʌni,kʊm// (noun): a pattern of many small six-sided shapes
2. **texture** //ˈtɛkstʃə// (noun): how the surface looks or feels
3. **eroded** //ɪˈrəʊdɪd// (adjective): worn away by water, wind, or other forces
4. **impact** //ˈɪmpækt// (noun): a strong hit or force from a collision
5. **explosions** //ɪkˈsplɒʒənz// (noun): powerful bursts that break or throw things apart
6. **materials** //məˈtɪriəlz// (noun): substances or things used to make or study

Comprehension Questions

Multiple Choice

1. What pattern did NASA's Curiosity rover photograph on Mars?

Option: Honeycomb pattern



- Option: Circular pattern
- Option: Spiral pattern
- Option: Square pattern

2. How long has the Curiosity rover been exploring Mars?

- Option: 10 years
- Option: 14 years
- Option: 20 years
- Option: 5 years

3. Where did Curiosity find the honeycomb-like texture?

- Option: Olympus Mons
- Option: Valles Marineris
- Option: Gale Crater
- Option: Hellas Planitia

4. What did researchers primarily observe near the honeycomb pattern?

- Option: Water flow
- Option: Eroded shapes and dark rocks
- Option: Vegetation
- Option: Ice formations

5. What factors have contributed to the changes on Mars over billions of years?

- Option: Human activities
- Option: Volcanic eruptions
- Option: Explosions, water flow, and strong winds
- Option: Meteor showers

6. What is Curiosity expected to explore next?

- Option: Water sources
- Option: Darker materials that appear rougher
- Option: More honeycomb patterns
- Option: Martian vegetation

True-False

7. The Curiosity rover has only been exploring Mars for 10 years.



8. Scientists have a clear understanding of how the honeycomb pattern formed.
9. Curiosity found the honeycomb pattern by itself without any prior exploration.
10. Mars has experienced many natural processes over billions of years.
11. Researchers are confident that the dark rocks near the honeycomb pattern came from Earth.
12. The Curiosity rover will soon analyze rough, darker materials on Mars.

Gap-Fill

13. NASA's Curiosity rover took a photo of a strange honeycomb pattern on Mars after _____ years of exploring.
14. Curiosity found this honeycomb-like texture while exploring _____ Crater.
15. Researchers are not sure where the dark rocks came from, but they may have fallen from _____ ground.
16. Mars has had many explosions, water flow, and strong _____ over billions of years.
17. Curiosity continues to explore Mars to learn more about the planet's past and its possible links to _____ life.
18. Curiosity saw shapes that looked like a giant _____ while exploring.

Answer

Multiple Choice: 1. Honeycomb pattern 2. 14 years 3. Gale Crater 4. Eroded shapes and dark rocks
5. Explosions, water flow, and strong winds 6. Darker materials that appear rougher

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

Gap-Fill: 13. 14 14. Gale 15. higher 16. winds 17. life 18. honeycomb

CATEGORY

1. Sci/Tech - LEVEL1



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