



Satellite Captures Images of SpaceX Rocket Crash on Moon

Description

A South Korean satellite took the first pictures of the moon's crash scene. This happened because a SpaceX rocket hit the moon.

The Korea Aerospace Research Institute's Danuri spacecraft flew over the impact site soon after the crash. The Falcon 9 rocket hit the moon on Wednesday. Danuri took multiple photos from orbit. These photos were released by the space agency on Thursday.

The ground looks darker where the rocket hit. It created a crater and spread dust and rock. Korean space officials said Danuri took before and after pictures.

NASA plans to send its Lunar Reconnaissance Orbiter to look at the crash site next week. Elon Musk's SpaceX launched Danuri from Cape Canaveral in 2022.

Last year, SpaceX also sent two private landers to the moon. The upper stage that crashed this week was going too fast at 5,400 mph (8,700 kph). This happened because of solar activity and gravity, according to SpaceX.

Vocabulary List:

1. **spacecraft** //ˈspeɪskræft// (noun): a vehicle made to travel in space
2. **impact** //ˈɪmpækt// (noun): a strong hit between two objects
3. **crater** //ˈkreɪtər// (noun): a large hole on the ground or moon
4. **orbit** //ˈɔrbɪt// (noun): the path one object follows around another
5. **released** //rɪˈliːst// (verb): made available for people to see
6. **gravity** //ˈɡrævɪti// (noun): the force that pulls things toward the ground

Comprehension Questions

Multiple Choice

1. What did the South Korean satellite Danuri capture?

Option: Pictures of the sun



Option: Pictures of the moon's crash scene

Option: Pictures of Mars

Option: Pictures of Earth

2. Which rocket hit the moon?

Option: Falcon 9

Option: Atlas V

Option: Delta IV

Option: Soyuz

3. When did the Falcon 9 rocket hit the moon?

Option: Monday

Option: Wednesday

Option: Friday

Option: Sunday

4. Which agency released the photos taken by Danuri?

Option: NASA

Option: Korea Aerospace Research Institute

Option: SpaceX

Option: ESA

5. What is the speed of the upper stage at the time of the crash?

Option: 3,600 mph

Option: 4,900 mph

Option: 5,400 mph

Option: 6,700 mph

6. What did SpaceX do in 2022?

Option: Launched Danuri

Option: Landed on Mars

Option: Sent a rover to Venus

Option: Built a space station

True-False

7. Danuri took photos before and after the crash.



8. NASA plans to send the Lunar Reconnaissance Orbiter next month.
9. The ground looks lighter where the rocket hit.
10. SpaceX launched Danuri from Cape Canaveral.
11. The crash was caused by solar activity and gravity.
12. The upper stage was traveling at 4,500 mph when it crashed.

Gap-Fill

13. A South Korean satellite took the first pictures of the moon's crash scene because a SpaceX rocket hit the moon on _____.
14. The Koreans released the photos taken by Danuri on _____.
15. Danuri flew over the impact site soon after the _____.
16. NASA plans to send its Lunar Reconnaissance Orbiter to look at the crash site _____.
17. SpaceX's upper stage that crashed was going too fast at _____ mph.
18. Elon Musk's SpaceX launched Danuri from _____ in 2022.

Answer

Multiple Choice: 1. Pictures of the moon's crash scene 2. Falcon 9 3. Wednesday 4. Korea Aerospace Research Institute 5. 5,400 mph 6. Launched Danuri

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

Gap-Fill: 13. Wednesday 14. Thursday 15. crash 16. next week 17. 5,400 18. Cape Canaveral

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