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# Moon Revealed to Have New Scar

## Description

A large space rock hit the Moon in late spring 2024. It made a crater that is 225 metres wide. This is about the size of two football pitches. NASA's Lunar Reconnaissance Orbiter Camera took pictures before and after the impact.

Every day, space rocks hit the Moon. These impacts happen all the time. The Moon has no weather, so craters stay forever. Before this event, the biggest crater found was 70 metres wide. The new crater is more than three times bigger. Scientists say this kind of impact happens only once every 139 years on the Moon.

The new crater is deep and funnel-shaped. It is 43 metres deep. There are large pieces of rock around it. These pieces were thrown out during the impact. The space rock came from the south-southwest.

Inside the crater, scientists found dark material. This is glassy rock made by the heat of the impact. The pictures taken before and after are very important. They help scientists understand how craters form on the Moon and other planets.

## Comprehension Questions

### Multiple Choice

1. When did the large space rock hit the Moon?

Option: Late spring 2022

Option: Late spring 2024

Option: Late spring 2020

Option: Late spring 2023

2. How wide is the new crater created by the space rock?

Option: 70 metres

Option: 225 metres

Option: 150 metres

Option: 300 metres

3. What did NASA use to take pictures of the Moon before and after the impact?

Option: Hubble Space Telescope



- Option: Mars Rover
- Option: Lunar Reconnaissance Orbiter Camera
- Option: Voyager 1

4. How deep is the new crater?

- Option: 25 metres
- Option: 43 metres
- Option: 60 metres
- Option: 75 metres

5. How often do similar impacts happen on the Moon according to scientists?

- Option: Every 50 years
- Option: Every 100 years
- Option: Every 139 years
- Option: Every 200 years

6. What kind of material was found inside the crater?

- Option: Water
- Option: Glassy rock
- Option: Frozen gas
- Option: Sand

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### True-False

- 7. The new crater is about the size of three football pitches.
- 8. Craters on the Moon do not change due to weather.
- 9. The space rock that hit the Moon came from the northeast.
- 10. The largest crater previously found on the Moon was 70 metres wide.
- 11. The new crater is shallow and bowl-shaped.
- 12. Scientists analyze the pictures to understand crater formation.

### Gap-Fill



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13. The new crater created by the space rock is \_\_\_\_\_ metres wide.
14. NASA's Lunar Reconnaissance Orbiter Camera took pictures before and \_\_\_\_\_ the impact.
15. The crater is \_\_\_\_\_ metres deep.
16. The largest crater found before this was \_\_\_\_\_ metres wide.
17. This kind of impact happens only once every \_\_\_\_\_ years on the Moon.
18. Inside the crater, they found dark material which is \_\_\_\_\_ rock made by heat.

## Answer

**Multiple Choice:** 1. Late spring 2024 2. 225 metres 3. Lunar Reconnaissance Orbiter Camera 4. 43 metres  
5. Every 139 years 6. Glassy rock  
**True-False:** 7. False 8. True 9. False 10. True 11. False 12. True  
**Gap-Fill:** 13. 225 14. after 15. 43 16. 70 17. 139 18. glassy

## CATEGORY

1. Sci/Tech - LEVEL1

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