



# Private Blue Ghost Lander Captures Stunning Lunar Eclipse in Orbit

## Description

Blue Ghost is a small lander from Firefly Aerospace that is going to the moon. It has taken pictures of a tiny lunar eclipse, and it's very exciting!

Firefly hired SpaceX to launch Blue Ghost on January 15. The rocket was a Falcon 9, and it launched from NASA's Kennedy Space Center in Florida. Now, Blue Ghost is in Earth orbit. It is checking its systems and getting ready to go to the moon.

While waiting, Blue Ghost is sending back beautiful photos of Earth and the moon. Recently, it took a picture of the moon as Earth blocked it out.

In a post on X (formerly Twitter), Firefly showed this amazing view. They wrote, "I spy with my little lander, a Moon in the distance." Blue Ghost is excited to share more pictures as it travels.

Blue Ghost is carrying 10 research payloads for NASA. It is part of NASA's plan to explore the moon. The lander will try to touch down in Mare Crisium in about a month.

## Vocabulary List:

1. **Lander** /'lændər/ (noun): A spacecraft designed to land on a celestial body.
2. **Eclipse** /'kliːps/ (noun): An event where one celestial body moves into the shadow of another celestial body.
3. **Payloads** /'peɪ.ləʊdz/ (noun): The cargo carried by a spacecraft which serves a specific purpose.
4. **Orbit** /'ɔːrbɪt/ (noun): The curved path of a celestial object around a star planet or moon.
5. **Touchdown** /'tʌtʃ.daʊn/ (verb): The act of landing or making contact with a surface.
6. **Crisium** /'krɪziəm/ (noun): A basalt plain on the Moon named Mare Crisium known for its impact craters.

## Vocabulary quizzes

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

1. When does a game typically get its official release?

Option: During development

Option: At the start of production

Option: After completion of development

Option: During testing phase



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2. What are payloads used for in space missions?
- Option: Create orbit
  - Option: Drive the spacecraft
  - Option: Carry instruments or supplies
  - Option: Communicate with ground stations
3. What raw material is needed for producing aluminum through the Bayer process?
- Option: Iron ore
  - Option: Copper
  - Option: Bauxite
  - Option: Zinc
4. What natural event occurs when the moon passes between the Earth and the sun?
- Option: Solar eclipse
  - Option: Lunar eclipse
  - Option: Planetary alignment
  - Option: Meteor shower
5. What is the primary purpose of a charitable donation?
- Option: Create awareness
  - Option: Support a cause
  - Option: Invest for profit
  - Option: Gain social media followers
6. In which type of game are dungeons often a prominent feature?
- Option: Sports
  - Option: Puzzle
  - Option: Racing
  - Option: Role-playing
7. Which space objects are primarily found in the Asteroid Belt?
- Option: Comets
  - Option: Moons
  - Option: Planets
  - Option: Asteroids
8. What type of equipment is used to establish a connection in remote areas?
- Option: Blender
  - Option: Satellite
  - Option: Smartphone
  - Option: Telegraph



9. Which term refers to the number of people living in a particular area?

- Option: Elevation
- Option: Population
- Option: Temperature
- Option: Longitude

10. What natural disasters are often caused by extreme heat and dry conditions?

- Option: Avalanches
- Option: Earthquakes
- Option: Tornadoes
- Option: Wildfires

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

11. A Wi-Fi \_\_\_\_\_ is needed to access the internet wirelessly.

12. Ignoring safety protocols can lead to \_\_\_\_\_ working conditions.

13. A lunar \_\_\_\_\_ occurs when the Earth passes between the sun and the moon.

14. The robotic \_\_\_\_\_ successfully touched down on the surface of Mars.

15. After the earthquake the community came together to \_\_\_\_\_ their homes and businesses.

16. The football player celebrated after scoring a \_\_\_\_\_ in the last minute of the game.

17. Generous \_\_\_\_\_ from the community helped rebuild the orphanage after the fire.

18. \_\_\_\_\_ use powerful telescopes to study celestial objects in the night sky.

19. The sun sets in the \_\_\_\_\_ painting the sky in hues of orange and pink.

20. The company decided to offer a special \_\_\_\_\_ deal including a smartphone and accessories.

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



21. The latest update of the software includes a new security to protect user data.
22. A satellite moves in a predefined path around a celestial body known as its .
23. Photographers often use filters to enhance the colors in their .
24. One of the largest lunar seas Mare is located on the moon.
25. In video games players must defeat various to progress to higher levels.
26. An undergoes rigorous training before traveling to space.
27. Recycling cans helps conserve resources and reduce the need for mining .
28. The successful of the new product received positive reviews from customers.
29. The cable company offers a bundle of services including internet TV and phone.
30. The spacecraft made a smooth on the Martian surface.

## Answer

**Multiple Choice:** 1. After completion of development 2. Carry instruments or supplies 3. Bauxite 4. Solar eclipse 5. Support a cause 6. Role-playing 7. Asteroids 8. Satellite 9. Population 10. Wildfires

**Gap-Fill:** 11. connection 12. unsafe 13. eclipse 14. lander 15. rebuild 16. touchdown 17. donations 18. Astronomers 19. evening 20. bundle

**Matching sentence:** 1. Feature 2. Orbit 3. Images 4. Crisis 5. Enemies 6. Astronaut 7. Aluminum 8. Launch 9. Bundle 10. Touchdown

## CATEGORY

1. Sci/Tech - LEVEL1

### Date Created

2025/02/01

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