SpaceX successfully deploys 23 Starlink satellites on Falcon 9 mission from Cape Canaveral

Description

SpaceX successfully launched 23 more Starlink satellites into orbit on Sunday evening, marking the 29th dedicated launch of Starlink satellites in 2024. The Falcon 9 rocket took off from Space Launch Complex 40 at Cape Canaveral Space Force Station at 6:08 p.m. EDT. The first stage booster, B1076, made its 13th successful launch and landed on the SpaceX droneship, 'Just Read the Instructions,' marking the 80th landing on the ship and the 301st booster landing overall.

This launch added to the 5,874 Starlink satellites already in orbit, with a total of 633 launched in 2024. In a social media post, SpaceX's vice president of launch highlighted the team's five-hour turnaround of the droneship at Port Canaveral. Additionally, SpaceX announced that the Federated States of Micronesia now has access to Starlink service.

In other news, the SpaceX Cargo Dragon undocked from the International Space Station on Tuesday, beginning its journey to splashdown off the coast of Florida. The conclusion of the CRS-30 mission, which carried over 4,000 pounds of science experiments, sets the stage for Boeing's first crewed mission using the Starliner spacecraft. SpaceX will need to relocate its Crew Dragon spacecraft before this mission can proceed.

Vocabulary List:

1. **satellites** // (noun): An artificial body placed in orbit around the earth or another planet in order to collect information or for communication purposes.
2. **orbit** // (noun): The curved path of a celestial object or spacecraft around a starplanetor moon.
3. **Booster** // (noun): A rocket or auxiliary unit on a spacecraftaircraftor vehicleespecially when initiating or increasing speed or altitude.
4. **droneship** // (noun): A vessel that SpaceX uses to recover rocket boosters at sea after launch.
5. **splashdown** // (noun): The landing of a spacecraft in the ocean or other body of water.
6. **relocate** // (verb): To move or shift to a new place or position.

Vocabulary quizzes

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

1. What is the term used to describe the act of sending a rocket into space?

   Option: Energize
   Option: Liftoff
   Option: Neglected
   Option: Decommissioned

2. Which component is used to enhance the initial thrust of a rocket at launch?

   Option: Milestone
   Option: Booster
   Option: Flaw
   Option: Steal

3. What type of unmanned aerial vehicle operates autonomously or by remote control?

   Option: Authentication
   Option: Drone
   Option: Snippet
   Option: Boasts

4. In space science what is the path followed by an object revolving around another object?

   Option: Snag
   Option: Relocate
   Option: Orbit
   Option: Unauthorized

5. Which term refers to the likelihood of an event occurring?

   Option: Defend
   Option: Auctioning
   Option: Probability
   Option: Exploit

6. What word describes actions that are not permitted or approved?

   Option: Prompting
   Option: Loophole
   Option: Unauthorized
   Option: Satellites

7. Which term refers to objects launched into space for various purposes like communication or observation?

   Option: Satellites
   Option: Energize
   Option: Launch
   Option: Booster

8. What is the term for the landing of a spacecraft in the sea after a mission?

Option: Snag
Option: Milestone
Option: Splashdown
Option: Decommissioned

9. Which term means to give energy or power to something?

Option: Influence
Option: Energize
Option: Boost
Option: Auctioning

10. What word describes something that has been ignored or not given enough attention?

Option: Neglected
Option: Coordinating
Option: Enthusiasts
Option: Steal

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

11. The famous artist's work had a significant _____ on modern art movements.

12. The urgent situation was a _____ factor for the team to take immediate action.

13. Users need to provide valid login details for proper _____ to access the system.

14. The luxury car _____ high-performance features and cutting-edge technology.

15. The article included a brief _____ of the upcoming movie plot.

16. The unexpected technical _____ delayed the product launch.

17. The rare artwork is up for _____ to the highest bidder at the prestigious auction

house.

18. Regular exercise can help _____ your overall health and well-being.

19. Car _____ gathered at the track to watch the new sports car in action.

20. The thief attempted to _____ valuable jewelry from the museum.

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

21. The space agency planned a challenging expedition to Mars to conduct groundbreaking research.
22. The lawyer had to present a strong case in court to protect the client from false accusations.
23. The project manager was responsible for organizing and managing the team's tasks to ensure timely completion.
24. The additional rocket stage provided the necessary thrust to propel the spacecraft into orbit.
25. The countdown began as the rocket engines ignited signaling the start of the space mission.
26. The successful completion of the lunar landing was a significant achievement in space exploration.
27. The autonomous aerial vehicle captured stunning aerial footage of the scenic landscape.
28. The scientist calculated the probability of a comet collision with Earth to be extremely low.
29. The quality control team identified a minor flaw in the spacecraft design that needed correction.
30. The motivational speaker aimed to energize the audience with inspiring stories and practical advice.

Answer

Multiple Choice: 1. Liftoff 2. Booster 3. Drone 4. Orbit 5. Probability 6. Unauthorized 7. Satellites 8. Splashdown 9. Energize 10. Neglected
Gap-Fill: 11. Influence 12. Prompting 13. Authentication 14. Boasts 15. Snippet 16. Snag 17. Auctioning 18. Boost 19. Enthusiasts 20. Steal
Matching sentence: 1. Mission 2. Defend 3. Coordinating 4. Booster 5. Launch 6. Milestone 7. Drone 8. Probability 9. Flaw 10. Energize

CATEGORY

1. Sci/Tech - LEVEL3

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