



SpaceX's Rocket Fails to Launch as Engines Shut Down at Cape Canaveral on Friday

Description

During a recent SpaceX Falcon 9 launch attempt from Cape Canaveral Space Force Station, the countdown experienced a **dramatic interruption**. As the announcer counted down to zero, the rocket's engines ignited but were swiftly shut down by the flight computers, leading to an immediate **abort** call. This unexpected event resulted in the postponement of the Starlink 10-2 mission **deployment**.

The Falcon 9, powered by nine Merlin engines using kerosene and **liquid oxygen**, was set to launch 22 Starlink satellites into **orbit**. The launch delay could **potentially** affect the upcoming Astra 1P satellite launch, scheduled for Monday. Meanwhile, SpaceX's future plans include Starship-Super Heavy launches, with the Federal Aviation Administration seeking public input during a virtual meeting.

City officials in Cape Canaveral urged residents to provide feedback on the impact of these launches. For more updates on launches from Cape Canaveral Space Force Station and NASA's Kennedy Space Center, visit floridatoday.com/space. Stay informed with the latest space news and launch schedules.

Vocabulary Insights

1. **Dramatic** /drə'mætɪk/ (adjective): Sudden and striking.
2. **Interruption** /ɪntə'rʌpʃən/ (noun): The action of stopping something for a period of time.
3. **Abort** /ə'bo:rt/ (verb): Bring to a premature end because of a problem or fault.
4. **Deployment** /dɪ'plɔɪmənt/ (noun): The action of bringing resources into effective action.
5. **Orbit** /'ɔ:rbɪt/ (noun): The path of a celestial object around a star, planet, or moon.
6. **Liquid oxygen** /'liːkwɪd ɒksɪdʒən/ (noun): Oxygen in liquid form used as an oxidizer in rocket propellants.
7. **Potentially** /pə'tenʃəli/ (adverb): Possibly but not yet actually.

Vocabulary List:

1. **Dramatic** /drə'mætɪk/ (adjective): Sudden and striking.
2. **Interruption** /ɪntə'rʌpʃən/ (noun): The action of stopping something for a period of time.
3. **Abort** /ə'bo:rt/ (verb): Bring to a premature end because of a problem or fault.
4. **Deployment** /dɪ'plɔɪmənt/ (noun): The action of bringing resources into effective action.
5. **Potentially** /pə'tenʃəli/ (adverb): Possibly but not yet actually.
6. **Orbit** /'ɔ:rbɪt/ (noun): The path of a celestial object around a star planet or moon.



Comprehension Questions

Multiple Choice

1. What caused the interruption during the recent SpaceX Falcon 9 launch attempt?
Option: Flight computer malfunction
Option: Human error
Option: Weather conditions
Option: Engine failure
2. How is liquid oxygen used in the Falcon 9 rocket?
Option: As a coolant for the engines
Option: As a fuel source
Option: As an oxidizer in rocket propellants
Option: As a communication medium
3. What is the purpose of the upcoming Astra 1P satellite launch?
Option: Exploring deep space
Option: Space tourism
Option: Communications satellite deployment
Option: Recording environmental data
4. Who is seeking public input during a virtual meeting regarding SpaceX's future launches?
Option: Federal Aviation Administration
Option: NASA
Option: SpaceX executives
Option: United States Department of Defense
5. What resource was being brought into effective action during the aborted Starlink 10-2 mission?
Option: Astronauts
Option: Satellites
Option: Mission control software
Option: Fuel tanks
6. What did city officials in Cape Canaveral urge residents to provide feedback on?
Option: Noise pollution
Option: Traffic congestion



Option: Impact of spacecraft launches

Option: Local wildlife preservation

Answer

Multiple Choice: 1. Flight computer malfunction 2. As an oxidizer in rocket propellants 3. Communications satellite deployment 4. Federal Aviation Administration 5. Satellites 6. Impact of spacecraft launches

Vocabulary quizzes

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

1. What is the term used to describe the termination of a process before it is completed?

Option: Interruption

Option: Deployment

Option: Surge

Option: Asymmetric

2. What word refers to something handed down from the past?

Option: Versatility

Option: Potentials

Option: Endemism

Option: Legacy

3. What term is used to describe the cargo carried by a vehicle?

Option: Niche

Option: Payload

Option: Culminating

Option: Versatility

4. What word describes something delicate or easily broken?

Option: Interruption

Option: Dramatic

Option: Fragile

Option: Functionalities

5. Which term indicates that something is capable of happening or being developed?

Option: Potentially

Option: Centrosaurine

Option: Ceratopsid



Option: Launch

6. What is the term used for the movement of troops to a new location for military operations?

- Option: Diversifying
- Option: Frustration
- Option: Deployment
- Option: Surge

7. Which term refers to the path followed by an object around a star?

- Option: Orbit
- Option: Disruptions
- Option: Endemism
- Option: Assemblage

8. What word describes the ability to adapt or be adapted to many different functions?

- Option: Versatility
- Option: Centrosaurine
- Option: Asteroid
- Option: Functionalities

9. Which term refers to a sudden and large increase?

- Option: Surge
- Option: Potentials
- Option: Endemism
- Option: Assemblage

10. What term is used for someone who competes for a prize or award?

- Option: Contender
- Option: Culminating
- Option: Diversifying
- Option: Legacy

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

11. The _____ of certain species in isolated regions can lead to unique adaptations.

12. Modern smartphones offer a wide range of features and _____.

13. The negotiations between the two countries were hampered by their _____ power dynamic.



14. The play had a _____ ending that left the audience in awe.
15. The founder left behind a rich _____ that influenced the company for generations.
16. The hospital experienced a sudden _____ of patients during the flu season.
17. The project had a detailed _____ plan in case of unexpected delays.
18. The small cafe found its _____ market among college students looking for a study spot.
19. The new technology has many exciting _____ for revolutionizing the industry.
20. The constant _____ with the slow internet speed led to complaints from employees.

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

21. dinosaurs are known for their elaborate frill-like skulls with horns.
22. The family of dinosaurs includes the famous Triceratops.
23. An unexpected during the live broadcast caused confusion among viewers.
24. The art exhibition featured an of paintings from various artists.
25. The company is its product line to reach a wider customer base.
26. An impact is believed to have caused the extinction of the dinosaurs.
27. The fireworks show was a dazzling that lit up the night sky.
28. The design focuses on the of materials to promote environmental sustainability.
29. The space agency announced the successful of a new satellite.
30. The palace was decorated with intricate and designs.

Answer

- Multiple Choice:** 1. Interruption 2. Legacy 3. Payload 4. Fragile 5. Potentially 6. Deployment 7. Orbit
8. Versatility



9. Surge 10. Contender

Gap-Fill: 11. Endemism 12. Functionalities 13. Asymmetric 14. Dramatic 15. Legacy 16. Surge 17. Contingency 18. Niche 19. Potentials 20. Frustration

Matching sentence: 1. Centrosaurine 2. Ceratopsid 3. Interruption 4. Assemblage 5. Diversifying 6. Asteroid 7. Spectacle 8. Reusability 9. Launch 10. Ornate

CATEGORY

1. Sci/Tech - LEVEL5

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Author

aimeeyoung99

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