



SpaceX's Next 'Chopstick' Test Flight: Launch Date Update

Description

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SpaceX's Starship rocket before its first test flight in 2023

SpaceX

SpaceX has a Starship ready for its fifth test flight since August, and now aims for a launch this weekend.

What is Starship?

Starship is SpaceX's powerful rocket designed for rapid reusability to launch large payloads into orbit and return for quick relaunches. SpaceX embraces a fail-fast strategy akin to Silicon Valley's tech culture.

What does the next test involve?

The upcoming fifth test may include attempting to catch Starship's Super Heavy booster using Mechazilla's "chopsticks" for a controlled landing.

When is the launch scheduled?

SpaceX suggests a potential launch date of 13 October, pending approval, as indicated by US Coast Guard warnings near Boca Chica, Texas.

The FAA's delays in approving test flights have drawn criticisms from SpaceX, prompting tensions between swift innovation and strict safety guidelines.

Summary of Previous Launches

Starship's test flights have faced challenges, including engine failures, mid-flight control issues, and environmental concerns prompting ongoing review and development.

Vocabulary List:

1. **Reusability** /ˌriː.juːˈzə.bɪl.ɪ.ti/ (noun): The ability to be used again especially after being returned to a usable state.
2. **Payloads** /ˈpeɪ.ləʊdz/ (noun): The cargo carried by a rocket or spacecraft.
3. **Innovation** /ˌɪn.əˈveɪ.ʃən/ (noun): The introduction of new ideas methods or products.
4. **Approvals** /əˈpruː.vəlz/ (noun): The action of officially agreeing to something.
5. **Criticisms** /ˈkrɪtɪsɪz(ə)mz/ (noun): The expression of disapproval of someone or something based on perceived faults or mistakes.
6. **Guidelines** /ˈgaɪd.laɪnz/ (noun): A general rule principle or piece of advice.



Vocabulary quizzes

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

1. What term is used to describe a significant development or discovery?
Option: Congestion
Option: Revolutionizing
Option: Breakthrough
Option: Innovative
2. What are the objects or instruments carried aboard a vehicle such as a spacecraft?
Option: Payloads
Option: Multiplex
Option: Integration
Option: Mechanisms
3. Which term refers to something made or produced by human beings rather than occurring naturally?
Option: Artificial
Option: Atmospheric
Option: Self-sufficiency
Option: Tapering
4. What is the point or level at which something begins or changes?
Option: Implications
Option: Threshold
Option: Disaster
Option: Calamities
5. What term refers to the action or process of combining different elements into a whole?
Option: Groundbreaking
Option: Reusability
Option: Integration
Option: Harvesting
6. Which term describes the possibility or likelihood of future success or something happening?
Option: Criticism
Option: Prospect
Option: Approvals
Option: Guidelines
7. What term describes introducing new ideas methods or products?



- Option: Innovative
- Option: Revolutionizing
- Option: Deceleration
- Option: Zenith

8. What word describes events causing great and often sudden damage or distress?

- Option: Innovative
- Option: Calamities
- Option: Self-sufficiency
- Option: Breakthrough

9. What term refers to the maximum data transfer rate of a network or internet connection?

- Option: Deceleration
- Option: Bandwidth
- Option: Zenith
- Option: Multiplex

10. Which term describes something innovative or pioneering?

- Option: Threshold
- Option: Atmospheric
- Option: Groundbreaking
- Option: Harvesting

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

11. The new _____ cinema is equipped with multiple screens for simultaneous screenings.

12. The earthquake resulted in a humanitarian _____ with widespread destruction and loss of lives.

13. The community aimed for _____ by growing their own food and generating electricity.

14. The project cannot proceed without the necessary permits and _____ from the authorities.

15. Employees are required to follow the safety _____ to prevent accidents in the



workplace.

16. The new technology is _____ the way we communicate and access information.

17. The medication dosage should be gradually reduced in a process known as _____.

18. The company reached the _____ of success with record profits and global recognition.

19. Farmers began _____ crops as soon as they ripened to ensure a good yield.

20. The new design received mixed _____ from experts in the field.

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

21. The decision to cut costs had significant consequences for the company's workforce.
22. The introduction of new technology led to improved efficiency and customer satisfaction.
23. Effective communication is for the success of any team or organization.
24. The in place ensure the safety and security of the building occupants.
25. The internet speed test measures the available for data transfer.
26. The driver had to apply brakes to slow down the car's on the sharp curve.
27. The company was at the of a major breakthrough in renewable energy technology.
28. His career included becoming a top executive in the industry.
29. The innovative product is the way consumers interact with technology.
30. The new cinema offers a variety of movie genres for viewers to choose from.

Answer

Multiple Choice: 1. Breakthrough 2. Payloads 3. Artificial 4. Threshold 5. Integration 6. Prospect 7. Innovative 8. Calamities 9. Bandwidth 10. Groundbreaking

Gap-Fill: 11. Multiplex 12. Disaster 13. Self-sufficiency 14. Approvals 15. Guidelines 16. Revolutionizing 17. Tapering



18. Zenith 19. Harvesting 20. Critical

Matching sentence: 1. Implications 2. Innovation 3. Crucial 4. Mechanisms 5. Bandwidth 6. Deceleration
7. Threshold 8. Aspirations 9. Revolutionizing 10. Multiplex

CATEGORY

1. Sci/Tech - LEVEL4

Date Created

2024/10/12

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