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# Artemis III Rocket Preparation Underway as SpaceX Embraces AI

## Description

SpaceX expects to make \$26.5 trillion from the artificial intelligence (AI) sector. The company believes that \$22.7 trillion of this will come from AI for businesses. SpaceX plans to launch an initial public offering (IPO) this summer. They aim for a valuation of about \$1.75 trillion and want to raise \$75 billion. This would be the largest IPO ever.

Recently, SpaceX landed its Falcon booster for the 600th time during a Starlink mission. This mission added 25 new satellites to its low Earth orbit. The Starlink network now has more than 10,200 satellites.

For this launch, SpaceX used a Falcon 9 booster that had flown seven times before. A little over eight minutes after takeoff, it landed on the drone ship named "Of Course I Still Love You." It was the 191st landing on this ship. Another ship, called "Just Read the Instructions," will now help with the Starship program.

Blue Origin also had news with its New Glenn rocket. They successfully landed their booster after its third flight, which was a big achievement. However, they soon reported a problem with the second stage. The rocket did not deliver its satellite to the correct orbit, and it fell back to Earth. This issue could delay Blue Origin's plans when NASA needs their rocket for the Artemis Program.

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## Vocabulary List:

1. **artificial** //,ɑ:ti'fiʃəl// (adjective): made by people, not by nature
2. **sector** //'sɛktə// (noun): part of the economy or business area
3. **valuation** //,vælju'eɪʃən// (noun): an estimate of how much something is worth
4. **offering** //'ɔ:fəriŋ// (noun): something sold or provided for people to buy
5. **satellites** //'sætəlaɪts// (noun): machines sent into space to send information
6. **orbit** //'ɔ:bɪt// (noun): path that something follows around a planet

## Comprehension Questions

### Multiple Choice

1. How much does SpaceX expect to make from the AI sector?



- Option: \$26.5 trillion
- Option: \$22.7 trillion
- Option: \$1.75 trillion
- Option: \$75 billion

2. What is the estimated valuation SpaceX aims for in their IPO?

- Option: \$26.5 trillion
- Option: \$1.75 trillion
- Option: \$22.7 trillion
- Option: \$75 billion

3. How many new satellites did SpaceX add during the recent Starlink mission?

- Option: 25
- Option: 191
- Option: 600
- Option: 10,200

4. How many satellites are in the Starlink network as of now?

- Option: 25
- Option: 10,200
- Option: 600
- Option: 191

5. On which ship did SpaceX's Falcon booster land?

- Option: Just Read the Instructions
- Option: Of Course I Still Love You
- Option: Falcon 9
- Option: Starlink

6. How many flights had the Falcon 9 booster flown before the recent launch?

- Option: 3
- Option: 600
- Option: 7
- Option: 191

### True-False

7. SpaceX plans to launch its IPO in the winter.



8. Blue Origin successfully landed its booster after its first flight.
9. The Falcon 9 booster has landed on the drone ship 191 times.
10. The Starlink network currently has more than 10,000 satellites.
11. Blue Origin reported a successful satellite delivery for their New Glenn rocket.
12. SpaceX plans to make \$22.7 trillion from AI for businesses.

### Gap-Fill

13. SpaceX expects to make \$26.5 trillion from the artificial intelligence (AI) sector, of which \$22.7 trillion will come from AI for \_\_\_\_\_.
14. The company wants to raise \$75 billion in their \_\_\_\_\_.
15. The recent Falcon booster landing was its \_\_\_\_\_ time.
16. SpaceX used a Falcon 9 booster that had flown \_\_\_\_\_ times before.
17. The rocket's satellite fell back to Earth during its \_\_\_\_\_.
18. This would be the largest IPO \_\_\_\_\_.

### Answer

**Multiple Choice:** 1. \$26.5 trillion 2. \$1.75 trillion 3. 25 4. 10,200 5. Of Course I Still Love You 6. 7

**True-False:** 7. False 8. False 9. True 10. True 11. False 12. True

**Gap-Fill:** 13. businesses 14. IPO 15. 600th 16. seven 17. second stage 18. ever

### Vocabulary quizzes

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

1. What do satellites primarily monitor in Earth's orbit?



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- Option: Weather patterns  
Option: Wildlife  
Option: Urban development  
Option: Cultural trends
2. Which type of asteroids are considered potentially dangerous?  
Option: Minor asteroids  
Option: Hazardous asteroids  
Option: Rocky asteroids  
Option: Gas giants
3. What force keeps satellites in orbit around the Earth?  
Option: Friction  
Option: Electromagnetism  
Option: Gravity  
Option: Momentum
4. What term is used for a collection of data typically used for analysis?  
Option: Database  
Option: Dataset  
Option: Spreadsheet  
Option: Report
5. What do astronomers often celebrate as a significant achievement in their field?  
Option: Exploration  
Option: Discovery  
Option: Innovation  
Option: Evolution
6. What is a software that mimics the hardware or software environment called?  
Option: Simulator  
Option: Emulator  
Option: Interpreter  
Option: Compiler
7. What term describes the collision of celestial bodies, often resulting in a significant event?  
Option: Collision  
Option: Impact  
Option: Drift  
Option: Passage
8. What is the unit of measurement for a very large amount of data, often used in datasets?  
Option: Gigabytes



- Option: Terabytes
- Option: Petabytes
- Option: Megabytes

9. What is the path called that a celestial body follows around another?

- Option: Sphere
- Option: Orbit
- Option: Radius
- Option: Axis

10. Who are the individuals primarily responsible for creating software applications?

- Option: Users
- Option: Analysts
- Option: Developers
- Option: Managers

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

11. The \_\_\_\_\_ ruins were discovered during the archaeological survey.
12. The \_\_\_\_\_ community has greatly contributed to the cultural landscape of the city.
13. Over the centuries, the continents have \_\_\_\_\_ apart due to tectonic activity.
14. Scientists use technology to \_\_\_\_\_ changes in the environment.
15. The \_\_\_\_\_ of the company's assets was conducted by financial analysts.
16. The new software \_\_\_\_\_ has attracted many customers.
17. The results of the national \_\_\_\_\_ indicated a need for more infrastructure.
18. The software has been \_\_\_\_\_ to improve its performance.
19. The game developers created a demo version that is \_\_\_\_\_ on multiple platforms.
20. The team's findings were \_\_\_\_\_ by independent researchers.

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

21. Satellites travel in a predetermined orbit around the Earth.



22. The discovery of a new galaxy expanded our understanding of the universe.
23. Astronomers can detect asteroids that are on a collision course with Earth.
24. Some asteroids are classified as hazardous due to their size and proximity to Earth.
25. Astronomers study celestial bodies to better understand the universe.
26. Gravity is the force that binds celestial bodies in space.
27. Developers continuously update software to enhance user experience.
28. A large dataset can contain petabytes of information about different phenomena.
29. The latest research study generated petabytes of data for analysis.
30. A proper valuation of assets is crucial for investment decisions.

## Answer

**Warning:** Undefined array key "answer" in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 531

**Warning:** Undefined array key "answer" in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 531

**Warning:** Undefined array key "answer" in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 531

**Warning:** Undefined array key "answer" in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 531

**Warning:** Undefined array key "answer" in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 531

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on line **531**

**Warning:** Undefined array key "answer" in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line **531**

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**Multiple Choice:** 1. Weather patterns 2. Hazardous asteroids 3. Gravity 4. Dataset 5. Discovery 6. Emulator 7. Impact 8. Petabytes 9. Orbit 10. Developers

**Gap-Fill:** 11. ancient 12. immigrant 13. drifted 14. detect 15. valuation 16. offering 17. survey 18. updated 19. playable 20. confirmed

**Matching sentence:** 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

## CATEGORY

1. Sci/Tech - LEVEL2

## POST TAG

1. A2
2. Artemis III
3. ESL learning
4. esl news
5. Level 2
6. rocket report
7. spaceX

## Tags

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