Sierra Space Chooses Facility for Dream Chaser: Logistics Update

Description

Early next year, construction will start on a large building at NASA's Kennedy Space Center to get the Dream Chaser space plane ready for its trips to space. All Points Logistics, a company based in Merritt Island, will help with the preparations for the uncrewed space plane. The new facility will be built on 60 acres near NASA's Vehicle Assembly Building.

The Dream Chaser, named Tenacity, is set to launch on a United Launch Alliance Vulcan rocket from Launch Complex 41 at Cape Canaveral Space Force Station. It will carry supplies to the International Space Station before returning to Earth and landing at Kennedy Space Center.

Sierra Space is excited about the new facility because it will make it easier to prepare the Dream Chaser for its missions. All Points Logistics is also talking to other companies about using the space for their projects.

For more news about space launches from Florida, visit floridatoday.com/space.

By Rick Neale, Space Reporter at FLORIDA TODAY. Contact Rick at Rneale@floridatoday.com. Follow @RickNeale1 on Twitter.

Vocabulary List:

1. **Construction** /kənˈstrʌkʃən/ (noun): The process of building or assembling structures.
2. **Facility** /fəˈsɪl.ɪ.ti/ (noun): A place or equipment related to a specific function or service.
3. **Preparation** /ˌprep.əˈreɪ.ʃən/ (noun): The action or process of making something ready for use.
4. **Uncrewed** /ʌnˈkruːd/ (adjective): Not having a crew; operating without human presence.
5. **Mission** /ˈmɪʃ.ən/ (noun): An important task or duty that is assigned or undertaken.
6. **Launch** /lɔːntʃ/ (verb): To set a spacecraft or missile into motion; to initiate a takeoff.

Comprehension Questions

Multiple Choice

1. Where will the new facility for the Dream Chaser space plane be built?

   Option: Kennedy Space Center

Option: Cape Canaveral Space Force Station
Option: Near NASA's Vehicle Assembly Building
Option: Merritt Island

2. What is the name of the Dream Chaser space plane?

Option: Endurance
Option: Intrepid
Option: Tenacity
Option: Voyager

3. Where will the Dream Chaser space plane land after its missions?

Option: Cape Canaveral Space Force Station
Option: International Space Station
Option: Kennedy Space Center
Option: Merritt Island

4. Which company will help with the preparations for the Dream Chaser space plane?

Option: Sierra Space
Option: All Points Logistics
Option: United Launch Alliance
Option: NASA

5. From where will the Dream Chaser space plane carry supplies to the International Space Station?

Option: Cape Canaveral Space Force Station
Option: Kennedy Space Center
Option: Merritt Island
Option: Launch Complex 41

6. What type of rocket will the Dream Chaser space plane launch on?

Option: Delta IV
Option: Falcon Heavy
Option: Vulcan
Option: Atlas V

Answer

Multiple Choice: 1. Near NASA's Vehicle Assembly Building 2. Tenacity 3. Kennedy Space Center 4. All Points Logistics 5. Launch Complex 41 6. Vulcan

Vocabulary quizzes

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

1. What is the process of building something called?

    Option: Demolition
    Option: Construction
    Option: Reconstruction
    Option: Destruction

2. What do you call a specific task or goal that a person or group is set to accomplish?

    Option: Goal
    Option: Mission
    Option: Dream
    Option: Aspiration

3. What is a small body of matter from outer space that enters the Earth's atmosphere and becomes incandescent?

    Option: Meteorite
    Option: Comet
    Option: Meteoroid
    Option: Meteor

4. Which term refers to the state of being able to see or be seen?

    Option: Clarity
    Option: Visibility
    Option: Obscurity
    Option: Invisibility

5. What term describes the action of searching or investigating something?

    Option: Explaining
    Option: Investigating
    Option: Exploring
    Option: Analyzing

6. What do you call groups of similar things that are close together?

    Option: Bundles
    Option: Clusters
    Option: Collections
    Option: Clusters

7. What is the ability to understand and share the feelings of another?

   Option: Sympathy

   Option: Empathy

   Option: Compassion

   Option: Understanding

8. Which term describes something that is liable to change rapidly and unpredictably especially for the worse?

   Option: Static

   Option: Volatile

   Option: Stable

   Option: Predictable

9. What term describes something that is important or meaningful?

   Option: Insignificant

   Option: Meaningless

   Option: Significant

   Option: Trivial

10. Which term refers to the state of being stable or not easily changed?

   Option: Consistency

   Option: Stability

   Option: Fluctuation

   Option: Instability

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

11. _____ is the act of making ready or being made ready for use or consideration.

12. The act of using something effectively or making use of something is known as _____

.

13. The process of making changes to the organization or structure of something for better efficiency is

called _____ .

14. When archaeological sites or materials are dug up methodically it is known as _____ .

15. To designate or treat something as more important than other things is to _____ .

16. When something is stressed or given special importance it is _____.

17. A framework or structure around which something is built or constructed is called a

_____.

18. The act of selling goods or property to the highest bidder is known as _____.

19. _____ refers to going beyond a limit or doing more than expected or allowed.

20. The act of moving forward or making progress in development is called _____.

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

21. The company is planning the of its new product next month.
22. The mountain climbers finally reached the after a grueling journey.
23. The beach looked enchanting under the silver glow of the .
24. The students were asked to write of the assigned chapters for their homework.
25. The streaked across the night sky leaving a trail of dust and gas.
26. The enthusiasts gathered to watch the annual hoping to catch a glimpse of shooting stars.
27. Modern computers come with high-speed that enhance their performance.
28. The space agency successfully completed an mission to Mars.
29. Technology is constantly bringing new innovations and developments.
30. The grapes grew in rich on the vines ready for harvest.

Answer

Multiple Choice: 1. Construction 2. Mission 3. Meteor 4. Visibility 5. Exploring 6. Clusters 7. Empathy 8. Volatile 9. Significant 10. Stability

Gap-Fill: 11. Preparation 12. Utilizing 13. Restructuring 14. Excavated 15. Prioritize 16. Emphasized 17. Armature 18. Auctioned 19. Exceeded 20. Advancing

Matching sentence: 1. Launch 2. Peak 3. Moonlight 4. Summaries 5. Comet 6. Meteor Shower 7. Processors 8. Uncrewed

9. Advancing 10. Clusters

CATEGORY

1. Sci/Tech - LEVEL2

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