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## Rebuild Starts at Blue Origin Launch Pad; Relativity Eyes Mars

### Description

Space Launch Delta 45, the military group in charge of Cape Canaveral Space Force Station, is looking to build a new rocket launch site. This new place, called Launch Complex 51, would be about 2 miles north of Port Canaveral. It would be the closest launch pad to public areas and take up around 50 acres.

This new site would replace Launch Complex 46. This existing pad is too close to Blue Origin's Launch Complex 36. Last month, a Blue Origin rocket exploded on that pad during a test. Because of the closeness of both pads, they cannot work at the same time. Launch Complex 46 has held some small satellite launches and tests for hypersonic missiles recently.

Meanwhile, French startup Latitude has changed the name of its rocket. It was called Zephyr, but now it is simply "Our Launcher." This rocket is a two-stage vehicle that will be 19 meters tall and can carry up to 200 kilograms to low-Earth orbit. Latitude hopes to launch it for the first time in late 2027.

Lastly, a Chinese rocket named Zhuque-2E broke apart in space, creating debris in an area where many satellites, including those from SpaceX, operate. The US Space Force confirmed this event shortly after the rocket launched with two satellites on June 9.

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### Vocabulary List:

1. **hypersonic** //ˌhaɪpəˈsɒnɪk// (adjective): much faster than the speed of sound
2. **debris** //dəˈbrɪː// (noun): small pieces left after something breaks
3. **confirmed** //kənˈfɜːmd// (verb): said to be true after checking
4. **startup** //ˈstɑːtʌp// (noun): a new small company, often in technology
5. **vehicle** //ˈviːɪkəl// (noun): a machine used to carry people or things
6. **orbit** //ˈɔːrbɪt// (noun): the path something makes around a planet

### Comprehension Questions

#### Multiple Choice

1. What is the name of the new rocket launch site being built by Space Launch Delta 45?  
Option: Launch Complex 51
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- Option: Launch Complex 46
- Option: Launch Complex 36
- Option: Launch Complex 50

2. How many acres will Launch Complex 51 take up?

- Option: 30 acres
- Option: 40 acres
- Option: 50 acres
- Option: 60 acres

3. What was the original name of the rocket developed by French startup Latitude?

- Option: Our Launcher
- Option: Zephyr
- Option: Falcon
- Option: Atlas

4. How tall is the new rocket 'Our Launcher'?

- Option: 15 meters
- Option: 19 meters
- Option: 25 meters
- Option: 30 meters

5. What is the payload capacity of 'Our Launcher' to low-Earth orbit?

- Option: 100 kilograms
- Option: 150 kilograms
- Option: 200 kilograms
- Option: 250 kilograms

6. When does Latitude hope to launch 'Our Launcher' for the first time?

- Option: 2025
- Option: 2026
- Option: 2027
- Option: 2028

### True-False

7. Launch Complex 51 will be built 2 miles south of Port Canaveral.



8. Launch Complex 46 is too far from Blue Origin's Launch Complex 36 to operate simultaneously.
9. Latitude's new rocket can carry up to 200 kilograms to low-Earth orbit.
10. A Blue Origin rocket exploded during a launch at Launch Complex 46.
11. The US Space Force confirmed the debris event shortly after Zhuque-2E launched.
12. 'Our Launcher' is a single-stage rocket developed by Latitude.

### Gap-Fill

13. Launch Complex 51 will be located about 2 miles north of \_\_\_\_\_ .
14. The new site will replace Launch Complex \_\_\_\_\_ .
15. Latitude hopes to launch 'Our Launcher' for the first time in late \_\_\_\_\_ .
16. The Chinese rocket named Zhuque-2E broke apart in \_\_\_\_\_ .
17. The US Space Force confirmed the event shortly after the rocket launched with \_\_\_\_\_  
satellites on June 9.
18. The rocket 'Our Launcher' is a \_\_\_\_\_ -stage vehicle.

### Answer

**Multiple Choice:** 1. Launch Complex 51 2. 50 acres 3. Zephyr 4. 19 meters 5. 200 kilograms 6. 2027

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

**Gap-Fill:** 13. Port Canaveral 14. 46 15. 2027 16. space 17. two

### CATEGORY

1. Sci/Tech - LEVEL2

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aimeeyoung99

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