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M4U4 Space Exploration

**Space:
The Final
Frontier**





Lead-in

What achievement?

"That is one small step
for a man The discovery of

2



The expansion of the solar system

The theory of the origin of
Big Bang Universe





Lead-in

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What **benefits** has the space exploration brought to us?

1. improve the development of new technology

Are you curious about the

2. improve the accuracy of the weather forecast

**development of the space exploration
of human beings?**





Prediction

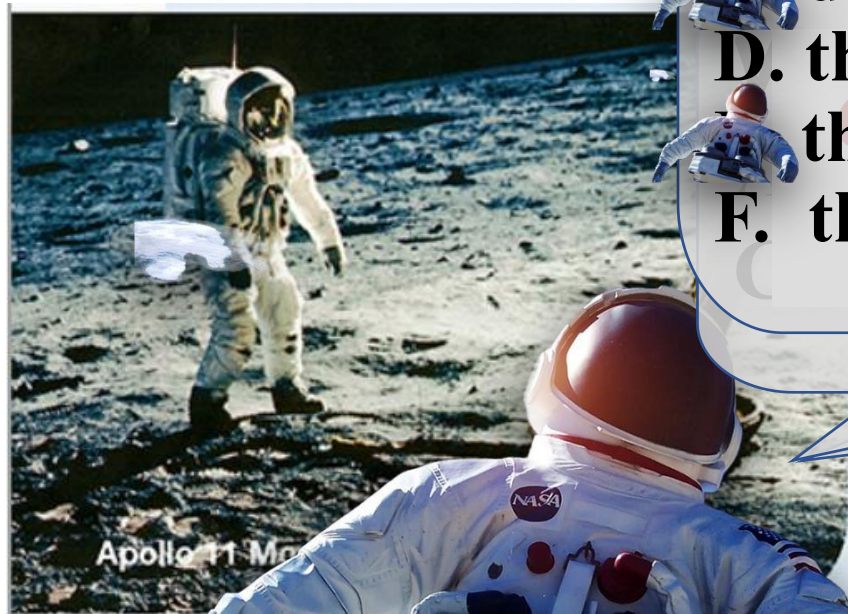
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SPACE

Are we alone? What's out there? Looking up at the stars, people have always wanted to learn more about space, and scientists work hard to find answers. They make vehicles to carry brave

A popular science article should contain the following features, except?

- A. a brief and **eye-catching** title
- B. **related** pictures
- C. **difficult** language
- D. the **presentation** of the results
- E. the **analysis** of the procedure
- F. the **background** information at the beginning





Reading

1. Choose the correct sentence (A-D) to fill each gap.
2. Find the topic sentence or summarize main idea.

SPACE: THE FINAL FRONTIER

"Are we alone? What's out there?" Looking up at the stars, people have always wanted to learn more about space, and scientists work hard to find answers. They make **vehicles** to carry brave people into space to find out the secrets of the **universe**.

These disasters made everyone sad and **disappointed**, but the **desire** to explore the **universe** never died. This is because people believe in the importance of carrying on space exploration despite the huge risks. An example of this ongoing work is the International Space Station. It orbits Earth and has astronauts from different countries on board, providing a continuous human presence in space.

Challenger after the accident



- A. Although scientists try to make sure nothing goes wrong, accidents can still happen.
- B. They also really wish to discover other planets that are suitable enough to support life.
- C. The future of space exploration remains bright.
- D. After many experiments, they succeeded in making **rockets** that could escape Earth's **gravity**.

Apollo 11 Moon Landing

All the astronauts on the USSR's Soyuz 11 and America's Challenger died during their missions.

Europe, the US, and China all have plans to further study and explore planets like Mars and Jupiter. Despite the difficulties, scientists hope future discoveries will not only enable us to understand how the universe began, but also help us survive well into the future.

1. Which sentences are **general statements** that could **serve as** topic sentences for paragraphs? **A and C**
2. Which sentence contains a **linking word** which indicates that it is a part of a list of details? **B also**
3. Which sentence begins with **a sequence word** showing that it is probably a detail from the middle of a narrative? **D After**





Reading

潮恩教育

“Are we alone? What's out there?” Looking up at the stars, people have always wanted to learn more about space, and scientists work hard to find answers. They make vehicles to carry bra

Details to support

find out the secret **Mystery** creates **wonder** and wonder is the basis of man's **desire** to understand other planets that

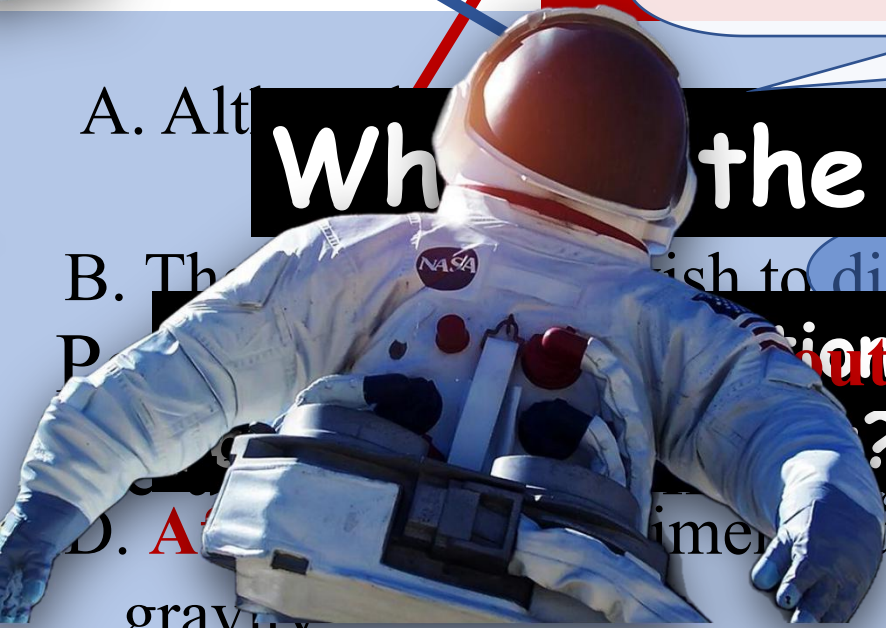
A. Although they have made great progress, it is still uncertain whether life will ever happen.

What is the main idea of this para?

B. The main purpose of the passage is to show the relationship between the topic sentence and the main idea.

P. The main purpose of the passage is to show the relationship between the topic sentence and the main idea.

D. Although they have made great progress, it is still uncertain whether life will ever happen.





Reading

Can you rearrange the order of mankind's achievements?

- (d) many goals were achieved.
- (a) Sputnik 1 satellite was launched on 4th October 1957.
- (c) American astronaut Neil Armstrong stepped onto the moon in 1969.
- (e) American NASA space agency launched Voyager 1, which still transmits data.
- To the achievements, are you desired to say something to the scientists in your nation?
- ending people into space, like Yuri Gagarin.



succeed in doing sth.



Reading

Although scientists try to make sure not **+ some unknown accidents/risks**

All the astronauts on the USSR's Soyuz11 and America's Challenger died during their missions.

desire to explore **1. What do you want to say to those astronauts in the space at this moment?**

importance of carrying on space exploration despite the huge risks. **2. Why were people so determined to explore the universe?**

What

A. Although scientists try to make sure nothing goes wrong, accidents can still happen. **Despite that space exploration involved great risks, mankind would continue with their exploration.**

B. They wish to discover other planets that are suitable enough to support life. **risk their lives exploring the universe.**

C. Although they succeeded in making rockets that could escape Earth's gravity, the exploration remains bright.





Reading

Thanks to scientists' and astronauts' efforts, mankind has **made great achievements** at home and abroad.

Which statement about China's achievements of space exploration is not true?

- A. China was the third country to explore the universe independently.
- B. After Jade Rabbit was sent to moon, one Chinese space walked on the moon.
- C. The docking of Tianzhou 1 with Tiangong 2 space lab signalled one

China's space programme started **later** than those of Russia and the US, **but** it has made **great** progress **in a short time**.

Main idea



Reading

Writer's attitude

The future of space exploration remains bright. Europe, the US, and China all have plans to further study and explores planets like Mars and Jupiter. Despite the difficulties, scientists hope future discoveries will not only enables us to understand how the universe began, but also help us survive well into the future.

相同词高频复现

What's the main idea of this para?

A. Although scientists try to make sure nothing goes wrong, accidents can still happen.

B. They **also** really wish to discover other planets that are suitable enough to support life.

C. The future of space exploration remains bright.

D. **After** many experiments, they succeeded in making rockets that could escape Earth's gravity.

同一语义词复现

Further Thinking

frontier: a border between two countries;
a wilderness at the edge of a settled area or a country;
an undeveloped field of study

final: implying there were other human frontiers before space, such as physical frontiers(the discovery of America, the Arctic and the deep sea); and scientific frontiers(advances in medicine and technology)...

Space: the final frontier: Space is the last field that remains mysterious and unknown to mankind.

While I support space exploration, I don't think space is the final frontier just yet. There is still much to learn about the earth, and we are only at the very beginning of new technological breakthroughs involving information technology and AI. There are many scientific and technological frontiers all around us.



Revision

1. What's the main idea of each para? How to get the main idea?
2. What is the main idea of the whole passage?
3. Can you divide the passage into several parts according to the main ideas?
4. How to choose proper answers of the missing sentences in a passage?

THANKS

