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Space exploration

Reading and thinking





Looking up at the stars, I

The vast space is waiting for humans' exploration.

Space exploration

space vehicles

航天器

satellites

spacecraft

Shenzhou 5

With the help of space vehicles,
such as satellites, spacecraft, mankind is
exploring space. Some spacecraft are
manned, which have carried
astronauts into space. They will be
launched by rockets, after which they
will orbit around the earth along the
orbits.



Reading

1. What kind of passage is it?

- A. A piece of news.
- ☒ B. A popular science article.
- C. A travel journal.
- D. A novel.



Para. 1

“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.

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

curiosity of people about space

```
graph TD; A[curiosity of people about space] --> B[make vehicles to...]; A --> C[wish to discover...];
```

make
vehicles
to...

wish to
discover...

It is the curiosity of...that ...

Para. 2

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

The Sputnik
orbited
around..

Oct 4, 1957

Yuri Gagarin
first person
to space

Apr 12, 1961



That's one small step for a man,
a **giant leap** for mankind.

Before
the
mid-
20th
century

The USSR

VS

The USA

Jul 20, 1969

Neil Armstrong
stepped to the
moon firstly

Sep 5, 1977

Voyager 1
to study deep space
and still transmits ...

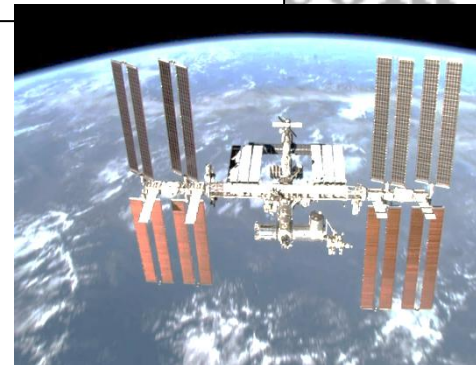
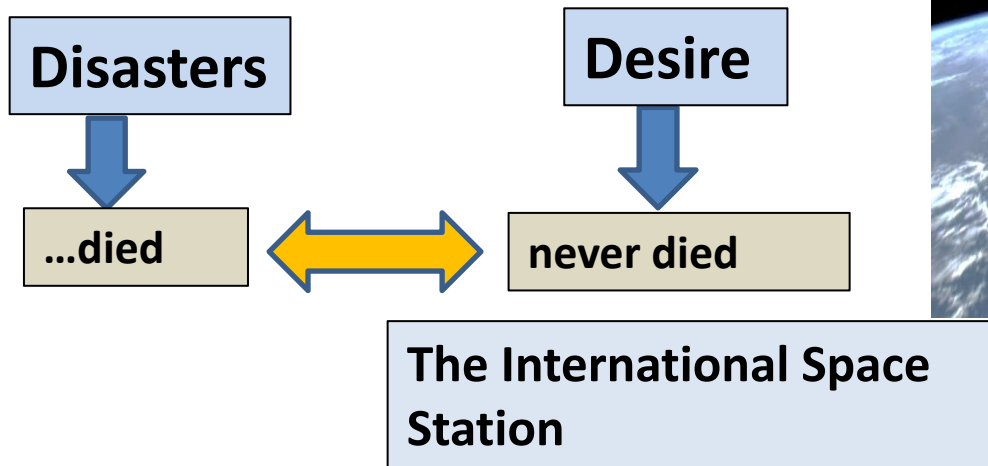
an **impossible** dream

determination
...

a reality

Para. 3

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



Despite the ..., humans' ...for space exploration never died.
For example, Thus, greater achievements are made.

Para. 4

This paragraph develops in the order of **time**.

Time	Spacecraft/ Vehicle; Astronauts ; Missions
In 2003	Shenzhou 5...Yang Liwei... orbited the earth...
Then	Shenzhou 6 & 7...completed ...and ...
followed by...	Jade Rabbit... be sent to the moon to study the surface
After that, /	Tiangong 2 space lab was launched into space and Tianzhou

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Chang'e 5 sets out to collect moon samples in landmark mission

By Zhao Lei in Wenchang, Hainan | chinadaily.com.cn | Updated: 2020-11-24 04:32

f t in +

the surface of the far side of the

**remarkable
achievements**

Para. 4

China's space programme started **later** than those of Russia and the US, but it has **made great progress** in a **short** time. China became the third country in the world to independently send humans into space **in 2003**, when Yang Liwei successfully orbited Earth in the Shenzhou 5 spacecraft. **Then** Shenzhou 6 and 7 completed a second manned orbit and the first Chinese spacewalk, **followed by** the vehicle Jade Rabbit being sent to the moon to study its surface. **After that**, China launched the Tiangong 2 space lab into space and Tianzhou 1 to dock with it. This signalled one step further in China's plan to establish a space station in the future. **More recently**, China has sent Chang'e 4 to explore the surface of the far side of the moon to make measurements and observations.

...lead(s) to the

**remarkable
achievements**

Para. 5

The future of space exploration **remains bright.**



There are endless efforts for further study and exploration from countries.

Scientists'
hope:

enable us to understand
how the universe began

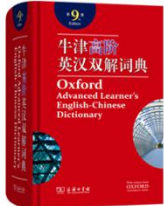
help us survive well into
future

Your hope?

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Analyse the structure
and
summarize the passage

Out of curiosity about space, scientists from different countries, such as the USSR, the USA, and China, have made remarkable achievements with undying desire. Undoubtedly, the future of space exploration is bright.



Space: The Final Frontier ! ?



- Frontier:
- is the **limit** of sth. especially the limit of a place or field for people to learn or explore.

Voice your opinion: (pair work)

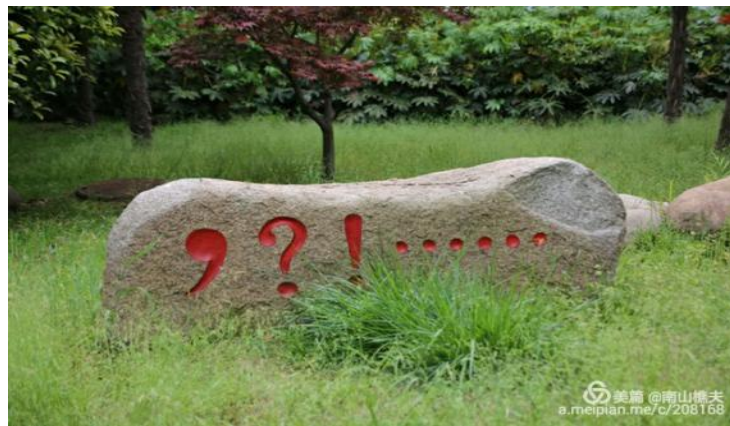
Is space the “final” frontier?

What other frontiers will be explored?

(underground; the deep sea; the Arctic; new life forms; new civilizations)

Frontier is **limited**, while exploration is **limitless**;
Books are **limited**, while knowledge is **limitless**;
Time is **limited**, while learning is **limitless**;
...

As a student in Senior Two, what are you eager to explore?
What qualities can help us to explore **the limitless** with **the limited**?



Assignment

Write down your detailed plans of **your limitless exploration.**

The following should be included:

you ambition
qualities needed
actions to take

