

By 2022, China's own space station will be fully active.

Lead-in



The background is a deep blue space filled with various celestial objects. In the top left, there's a large, brown, rocky planetoid. To its right, a blue planet with a yellow ring and a small rocket are visible. On the right side, a large red planet with a yellow ring and a blue planet with a yellow ring are shown. In the bottom left, a yellow planet and a blue planet with a yellow ring are present. In the bottom center, a large blue planet is partially visible. In the bottom right, a telescope on a tripod is shown. An astronaut in a white suit with red stripes is floating on the left side. Several small rockets are scattered throughout the scene. The text "Extended reading" is in a yellow serif font, and "Why we explore" is in a larger, bold yellow serif font.

Extended reading

Why we explore



Warm-up

Why we explore?

- ✓ To solve the mysteries of outer space;
- ✓ To find another planet to settle on;
- ✓ To display a country's national strength;

...





Reading for structure

Why we explore

I

Internal
motive

Para. 1: Why do we continue to explore space?

Para. 2: To satisfy humans' **curiosity**

Para. 3: To better understand the **origin**,
evolution, and likely **future** of the universe

Para. 4: To solve **big problems** and make our
lives **safer and easier**

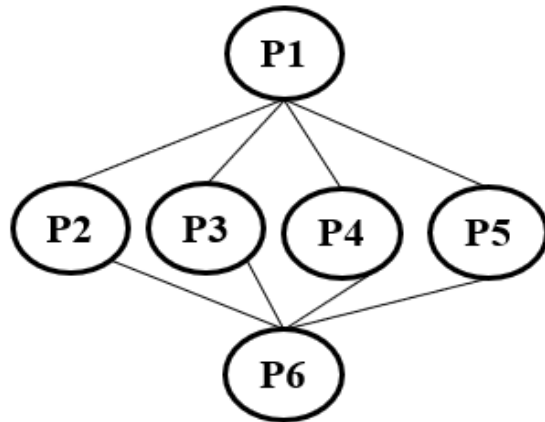
Para. 5: To gain great **economic value**

Para. 6: To **educate** and **inspire** the next generation

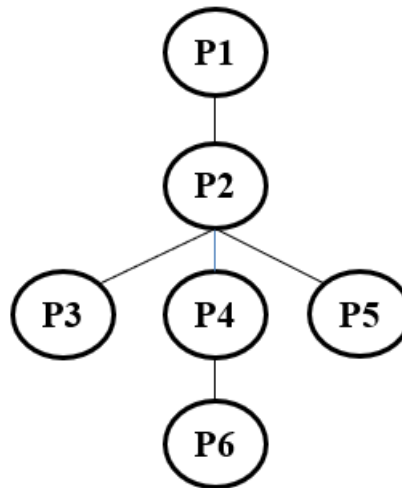
External
motives

n

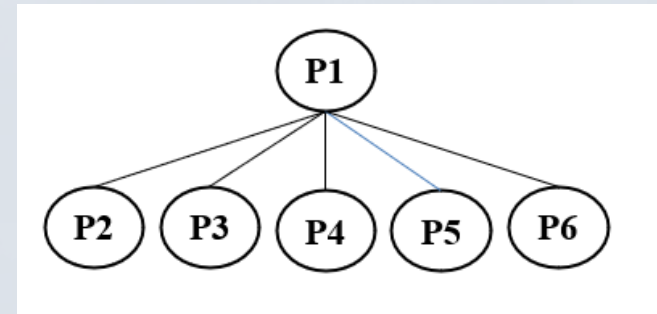
Which of the following best shows the structure of the text?



A



B





Para.1 Introduction

How does the author lead to the topic in Para.1?

- An example :Neil Armstrong
- The reality: space exploration is extremely difficult and dangerous,
- time-consuming and money-consuming.
- A retorical question : Why do we continue to explore space?

Writing Tip 1: a retorical question (设问) is a question that is asked merely to make a point with no answer expected.



Para. 2: natural curiosity

Humans are curious about the unknown.



visit thick and wild forests



climb vast mountain ranges



cross deep oceans



explore space



Para. 2: natural curiosity

- How do you understand the sentence?

“With each space mission comes greater insight, thus motivating us to continue along the same path of adventure.” (Lines 17-18)

In the continuous process of adventuring into new places, humans become more insightful (insight) and knowledgeable (knowledge) about the universe, which in turn motivates mankind to explore further.

Writing Tip 2: Quotation(引用): to make the argument more persuasive.



Para. 3: better understanding

1. What **fundamental questions** can exploring space address?

Questions about our place in the universe and the history of our solar system.

2. What **facts** have been confirmed and what **questions** remain to be answered?

Facts: the Earth is round and that it orbits the Sun.

Questions: whether there is life on other planets?



Para. 4: wide applications

Writing Tip 3: Listing **examples**

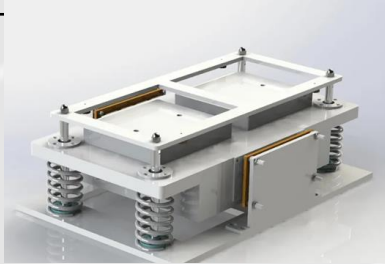

1. How does the author show the wide application of space exploration?

A. making comparison
listing examples



B. giving definition
D. citing statistics

2. What are the examples mentioned?

Applications	Functions	
Earthquake shock absorbers (地震减震器)	To protect buildings and save lives	
Liquid hydrogen (液态氢)	To mass-produce and launch hydrogen fuel cell vehicles (氢能源电车)	



Para. 4: wide applications

- Do you know any other applications of space exploration technology?



mobile navigation



weather forecast



dried or freeze-dried food



baby diapers



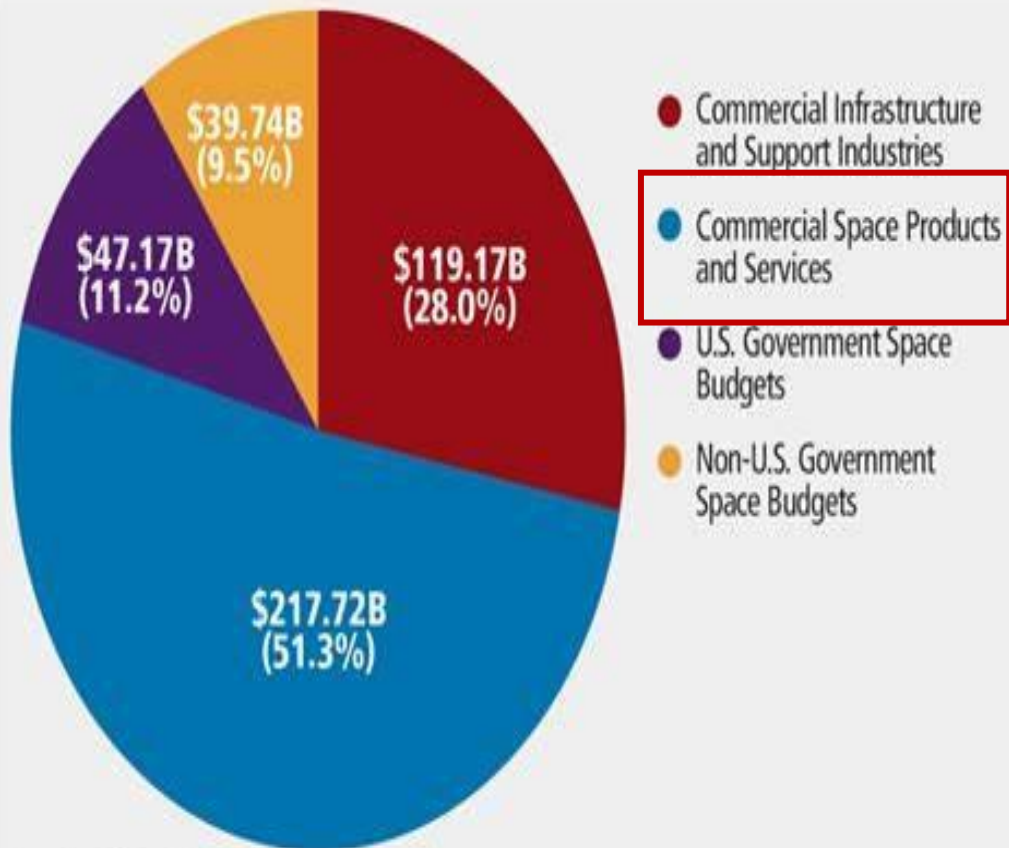
Para.5: economic value

What economic benefits do space exploration bring?

Writing Tip 4: Listing **statistics/data/numbers/figures (L38-39)**

- more job opportunities

Global Space Activity, 2019



workers behind the scenes



Para. 6: education and inspiration

Writing Tip 5: **Parallelism (排比)**

- How can the space exploration educate and inspire the next generation?

Shape children's lives forever;

Motivate the young to aim high;

Keep their thirst for knowledge alive;

Ensure further advances.





Critical Thinking

- **Why does the author think providing education and inspiration for the next generation is the biggest reason for space exploration?**

Children are a nation's and even the world's future. Humans should not only pass on knowledge, but also ensure future generations have a thirst for knowledge. Amazing work done by great scientists, astronauts and other support staff may deeply inspire children to work hard.

1.(L15) [That we **are fascinated by** the sky] is evident in ancient tales from around the world. **主语从句**

天空令我们心驰神往，从世界各地的古老传说里可明显看出这一点。

2.(L21) Exploring space helps **address** fundamental questions about our place in the universe and the history of our solar system.

探索太空有助于帮助阐明关于我们在宇宙中的位置及太阳系的历史这些本质问题。

3.(L37) Although space exploration demands huge investment, the space industry can actually bring great economic value.

尽管太空探索需要巨额投资，但实际上航天业能够带来巨大的经济价值。

4.(L39) At the same time, space exploration can **provide** a variety of career opportunities **for** young people.

与此同时，太空探索能为年轻人提供各种各样的工作机会。

5.(L45) For me personally, this is **by far** the biggest reason for humanity to explore space.

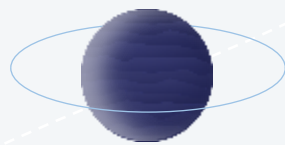
对我个人而言，这是迄今为止人类探索太空的最大原因。

6.(L49) **It is** this kind of inspiration **that** keeps our **thirst for** knowledge alive.

正是这种激励，使我们始终保持对知识的渴望。

Language Points

1. 太阳系(para.1)
2. 敢于做某事
3. 事实显然并非如此。
4. 花了一大笔钱
5. 太空探索
6. 拓展我们对……的理解
7. 这是对……的浪费
8. 提高我们的生活质量
9. 对未知的好奇(para.2)
10. 渴望做某事



Expressions

solar system

dare to

This is clearly not the case.

cost a huge amount of money

space exploration

expand our understanding of ...

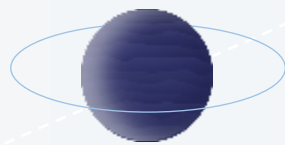
it is a waste of sth

enhance the quality of our life

curiosity about the unknown

long to do sth

Language Points



Expressions

11. 希望/渴望做某事

desire to

12. 理解；认清

make sense of sth

13. 着迷于

be fascinated by...

14. 激励某人做某事

motivate sb to do sth

15. 对.....作出重大贡献(para.3)

make major contributions to sth/ doing sth

16. 解决根本问题

address fundamental problems

17. 应用于；施加于(para.4)

be applied to sth

18. 建立；装配；开业；竖立

set up

19. 替代能源

alternative energy source

20. 很可能.....

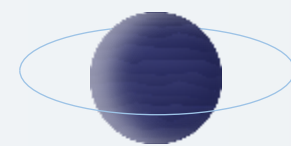
It is likely that...

Language Points

21. 批量生产
22. 强烈的动机
23. 据计算(para.5)
24. 提供某物给某人
25. 得到媒体的广泛报道
26. 支持人员；后勤人员
27. 像...这样的..., 诸如...
28. 塑造某人的生活
29. 对.....的渴望
30. 取得进展

31. 类...

Expressions



be mass-produced

a strong motive for

It has been calculated that...

provide sth for sb/provide sb. with sth

receive widespread media coverage

support staff

such ... as ...

shape one's life

thirst for

make advances

这

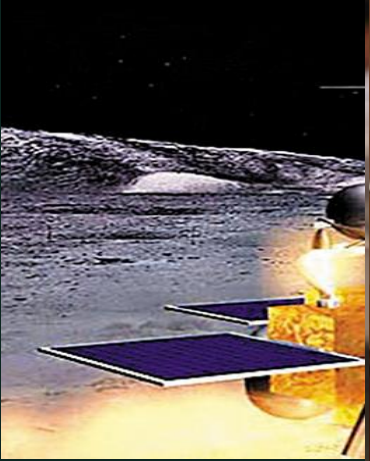


Warm-up

Why do we explore space?

CCTV
NEWS

For thousands of years, people have looked at the starry sky and wondered



astronauts

CNSA

