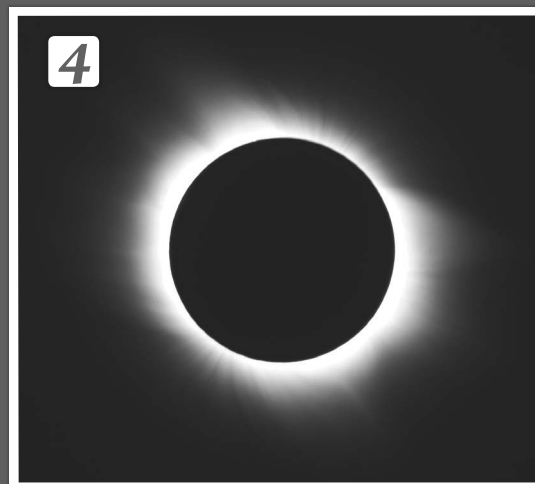
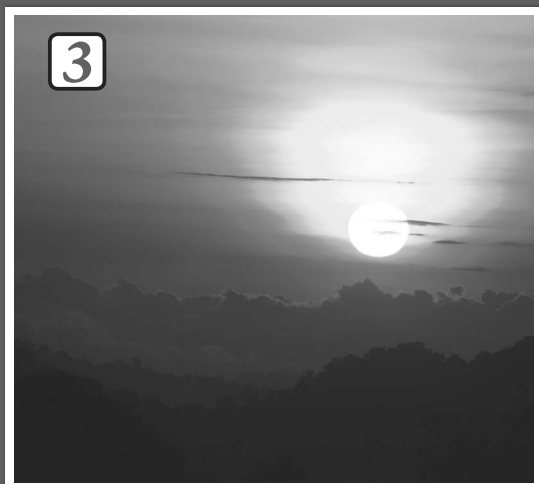
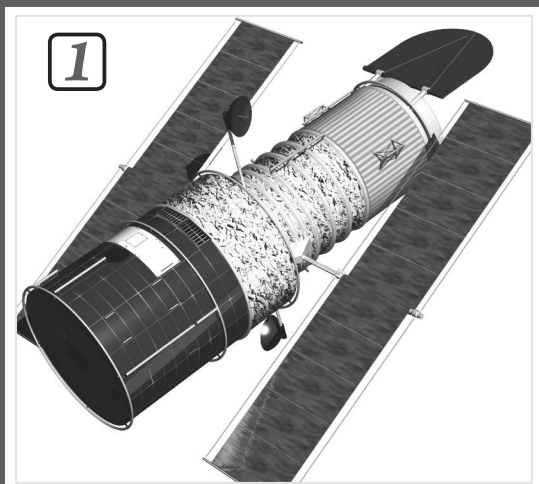




OUTER SPACE

GIVE IT A TRY Listen and number the pictures.



Listen again. Then number and fill in the blanks.

Word Box

blocks the Sun's light / look into / 150 million /
on Earth / the smartest astronauts /
fly an object into space / one of billions /
bigger system / furthest things / inside of it /
fuel and launch / a bright circle

- 4 A total solar eclipse is when the moon blocks the Sun's light. The light is so strong that even with the moon there, a bright circle is still seen around it.
- 1 The Hubble Space Telescope is one of the world's best ways to look into space. It can tell us new information on the furthest things in the universe.
- 3 The closest star to Earth is the Sun. However, it's nearly 150 million kilometers away. The Sun is big enough to have over 1.3 million Earths inside of it.
- 6 The International Space Station is a combined effort from the smartest astronauts in the world. They work together doing experiments that can't be done on Earth.
- 2 Earth is part of a bigger system, the Milky Way. It's a galaxy containing all visible stars at night. However, it's one of billions of galaxies in the whole universe.
- 5 Space shuttles are exciting. It takes so much energy to fly an object into space. The orange and white rockets are only for the shuttle's fuel and launch.

SPEAK UP

Answer the questions.

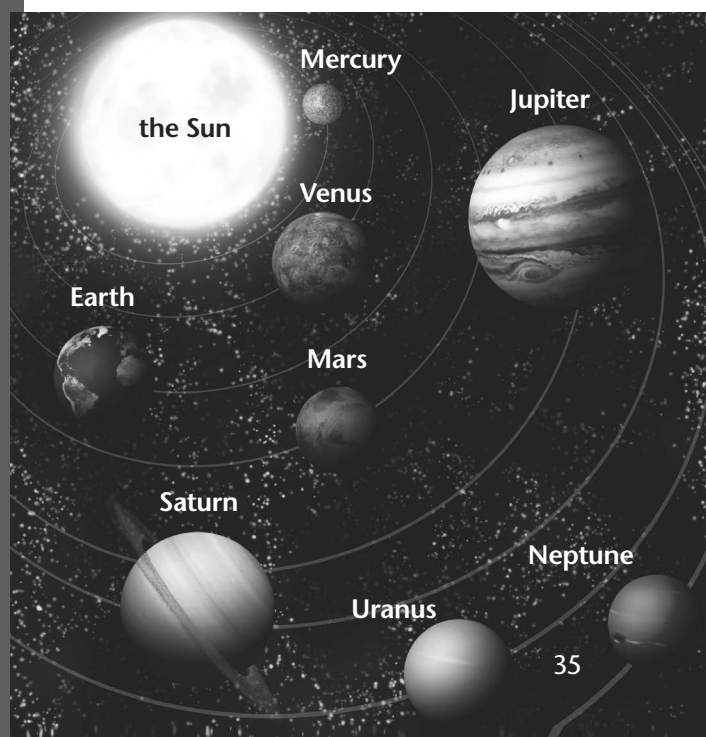
1. Do you think learning about space is important? Why or why not?
2. What is the most interesting thing about space? Why?
3. How is space an exciting subject?
4. What is your favorite thing about space?
5. What do astronauts and astronomers do?

UNIT
3

MORE TO LEARN

- a meteor shower
- Milky Way
- black hole
- greenhouse effect
- Solar System

Mercury	Venus	Earth	Mars
Jupiter	Saturn	Uranus	Neptune





Cutting-Edge Space Food

Karen: Hey, did you see the news?

Ben: No, recently I've been quite busy writing my paper. What
happened?

Karen: South Korea is developing **space**¹ kimchi!

Ben: What? How do they eat that in a zero-**gravity**² environment?

Karen: That's what the research concerns. If it's successful, living in outer space will be magnificent!

Ben: Wow! Interesting! I had hoped to be an **astronaut**³ when I was a child. But when I found out they eat freeze-dried foods and semi-liquids, I **gave up** my dream. They are so **unappetizing**⁴!

Karen: You gave up your dream because of food? That's ridiculous.

Ben: Hey, it was not just the food that mattered! Have you thought about how they go to the toilet? They live an **abnormal**⁵ life. I couldn't **endure**⁶ that.

Karen: Oh, **I get your point**. When you want to achieve a goal, you have to **sacrifice**⁷ something.

Ben: I wouldn't want to sacrifice my favorite food to be an astronaut. I **desperately**⁸ love food.

Karen: Whatever. If the research is done successfully, it will be a **definite**⁹ benefit for astronauts.

Ben: If someday there are space brownies, space spaghetti, and space steak, I may **take up** my dream again.

Karen: That's enough. Don't confuse astronauts with **gourmets**¹⁰.

Ben: All right, but do you think space kimchi can really cheer up astronauts from America or Russia?

Karen: Well, maybe not. But this is a cutting-edge development. We can expect a variety of **authentic**¹¹ foods for astronauts from different countries.

Ben: **In that case**, being an astronaut will be a very attractive dream to **pursue**¹².



Language Notes

Synonym: ✓

- * 1. **space** [speɪs] *n.*
Who was the first American in space?
2. **gravity** [ˈɡrævəti] *n.*
If you throw a ball in the air, gravity will bring it back down.
3. **astronaut** [ˈæstrənɒt] *n.*
The astronaut was in outer space for 20 days.
4. **unappetizing** [ʌnˈæpəˌtaɪzɪŋ] *adj.*
The soup was cold and unappetizing, but it was all there was.
5. **abnormal** [æbˈnɔːrməl] *adj.*
My parents thought it was abnormal for a boy to be interested in ballet.
6. **endure** [ɪnˈdjʊr] *v.*
It seemed impossible that anyone could endure such pain.
7. **sacrifice** [ˈsækrəˌfaɪs] *v.*
He sacrificed a promising career to look after his kids.
8. **desperately** [ˈdɛspərɪtli] *adv.*
The doctors tried desperately to save the young lady's life.
9. **definite** [dɛfənɪt] *adj.* ✓ *certain*
It's impossible for me to give you a definite answer.
10. **gourmet** [ˈɡʊrmeɪ] *n.*
They're real gourmets and buy only the best cuts of meat.
11. **authentic** [əˈθɛntɪk] *adj.* ✓ *real*
You can get some authentic Taiwanese food at a night market.
12. **pursue** [pəˈsuː] *v.*
Students should pursue their own interests.

* Represents GEPT elementary vocabulary

UNIT
3

CONVERSATION REVIEW

Listen and check the correct answer.  MP3 / 21

1. ☐ a. South Africa ☒ b. South Korea ☐ c. South America
2. ☐ a. As full of air ☐ b. As having emptiness ☒ c. As being zero-gravity
3. ☒ a. Yes, to be an astronaut has been his dream since he was a child.
☐ b. No, he wants to be a gourmet. It's his dream.
☐ c. Yes, he is looking forward to trying all the delicious food.
4. ☒ a. Real ☐ b. Rely ☐ c. Fake
5. ☐ a. Ben is confusing Americans with Russians.
☒ b. Ben is confusing astronauts with people who like to eat delicious food.
☐ c. Ben is confusing a zero-gravity environment with an authentic one.

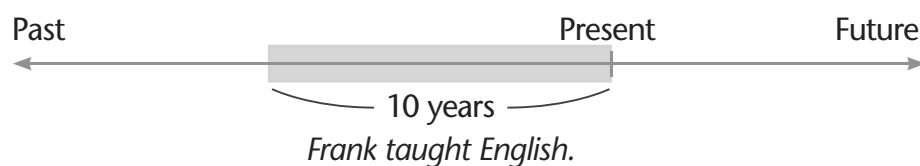


PRESENT PERFECT VS. PAST PERFECT

Past perfect and present perfect are used differently to express an action as completed or in progress. Past perfect is used to show that an action started and finished in the past. Present perfect is different because it means that there has been a change from the past action to the current situation.

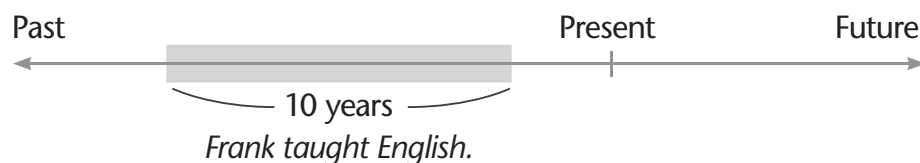
Frank **has taught** English for 10 years.

→ Frank taught English before and is still teaching English now.



Frank **had taught** English for 10 years.

→ Frank taught English before, but now he doesn't teach English.



Choose the sentence with the correct meaning.

- (a) ① I had previewed the guidebook for half an hour.
a. I spent 30 minutes previewing the guidebook in the past.
b. I spent 30 minutes previewing the guidebook and I am not finished yet.
- (a) ② She has ridden a pink bike since she was 3 years old.
a. She started riding a pink bike when she was three years old, and still rides it now.
b. She rode a pink bike when she was three years old, but doesn't anymore.
- (a) ③ The man has fallen down the stairs.
a. The man fell down the stairs recently, and his situation is not good.
b. The man fell down the stairs a long time ago and he is fine now.
- (b) ④ Debbie had finished her homework in 10 minutes.
a. Debbie spends 10 minutes finishing her homework.
b. It took Debbie 10 minutes to finish her homework in the past.
- (b) ⑤ The basketball game had started by 4 o'clock.
a. The basketball game started immediately at 4 o'clock.
b. The basketball game started long before 4 o'clock.

Past perfect can also indicate an event or action that happened at a specific time in the past.

Present perfect is not used to explain a specific time for an action.

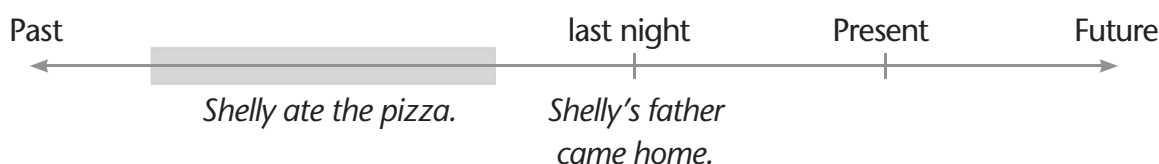
Shelly **has eaten** the whole pizza.

→ Shelly ate all the pizza. *It happened sometime in the past. There is no specific time.*

Shelly **had eaten** the whole pizza before her father came home last night.

→ Shelly started eating the pizza before her father came home last night.

Shelly finished eating the pizza before her father came home last night.



A Circle the correct answer.

- ① My brother (had read / has read) books by the time I came home.
- ② Eva loves the piano because she (had played / has played) it since she was three.
- ③ Erin and Richard (have talked / had talked) on the field after the game last week.
- ④ Tom (had lost / has lost) his ball before his friends arrived.
- ⑤ My little brother (has opened / had opened) all his gifts before our parents woke up.

B Combine the sentences using present perfect or past perfect.

- ① Omar already saw the movie. Then, Jean asked him to watch it.

Omar had already seen the movie before Jean asked him to watch it.

- ② Steve rides motorcycles. He started when he was 22 years old.

Steve has ridden motorcycles since he was 22 years old.

- ③ Jane studies English. She started 15 years ago.

Jane has studied English for 15 years.

- ④ I lived in France from 1999 to 2004. I moved to Canada in 2004.

I had lived in France (for five years) before I moved to Canada in 2004.

- ⑤ Mark played video games two weeks ago. He spent 8 hours playing video games.

Mark had played video games for 8 hours two weeks ago.



LISTENING TEST



聽力測驗：看圖辨義

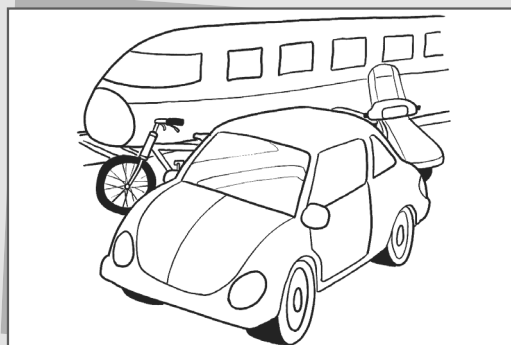
MP3 / 22

請聽題目及三個選項，選出與圖案最相符的答案。

1. ☒ A

☐ B

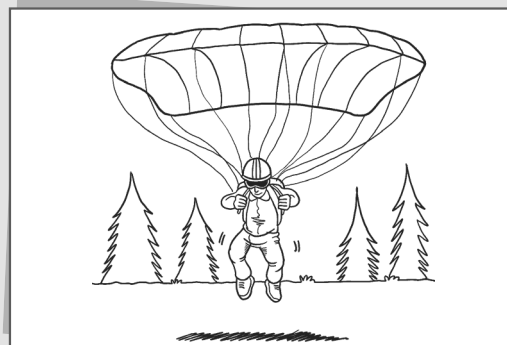
☐ C



3. ☐ A

☐ B

☒ C



2. ☒ A

☐ B

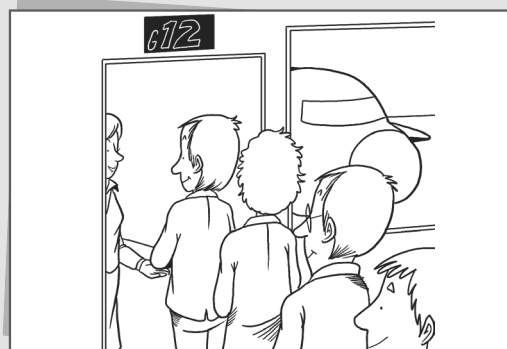
☐ C



4. ☒ A

☐ B

☐ C



聽力測驗：問答

MP3 / 23

請聽問題，再從三個選項中選出一個最適合的答案。

1. B **A** Yes, I'll give you more water. **B** Neither could I. It's too difficult.

C Yes, you need a map to go.

2. C **A** I agree. They're the best in town. **B** I know. I can't afford them.

C No kidding. I felt sick after I ate one.

3. C **A** I heard he does what he wants.

B Really? Does he argue with his wife a lot?

C Yeah, he gives everything he has to them.

4. C **A** No, he said he wasn't hungry. **B** He already had it in his room.

C Yes, I told him to go to his room.

5. A **A** Yes, it's not usually this cold. **B** Right. Summer is always this hot.

C Yes, it's my favorite season, too.

6. B **A** No, I really don't like that band, so I didn't go to the show.

B No, I was inside studying, so I missed it.

C Yes, they are so talented. They must practice a lot.



Nature's Fireworks



were filled with
are caused by

are mentioned in

make wishes

so called

In recent years

Have you ever wondered why people make wishes when they see shooting stars? Well, the song, *When You Wish Upon a Star*, first
5 appeared in the 1940 Disney movie, *Pinocchio*. But of course, we have actually been looking up to the skies for much, much longer.

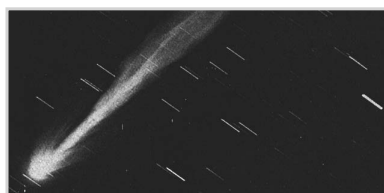
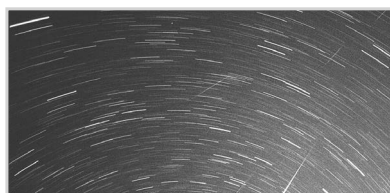
Shooting stars are mentioned in
10 the Bible. Those are actually **meteors**¹, small rocks that fall through the Earth's **atmosphere**². They fall so fast that they **catch fire**³. People thought they were sent by the gods as **punishment**⁴.
15 So they made a wish or prayed when shooting stars were seen in the sky.

Comets⁵ were also thought to be a sign of **disaster**⁶. For example, in January, 1066, a comet appeared in the
20 skies over England. Later that year, England was **invaded**⁷ and King Harold was killed. And, nearly a thousand years

later, in 1910, when Halley's Comet passed the Earth, the streets of London,
25 New York, and Tokyo were filled with vendors selling all kinds of strange medicines to fight the comet's "ill effects."

Meteor showers⁸ are even more
30 **spectacular**⁹ than comets. These are caused by many shooting stars appearing **at once**¹⁰. One of the most famous meteor showers is the Leonids, so called because it appears to
35 start in the **constellation**¹¹ of Leo.

In 1833, the Leonid shower was so big that people thought it was raining fire. In recent years, one of the most incredible showers was in 2001.
40 According to Taiwan's Central Weather **Bureau**¹², more than six thousand meteors were seen in the first two hours of the shower. It's one of nature's finest firework **displays**¹³.



Language Notes

Synonym: ✓

1. **meteor** [ˈmɪtɪə] *n.*
Astronomers track large meteors using radar.
2. **atmosphere** [ˈætmə.sfɪr] *n.*
The Earth's atmosphere is a layer of gases surrounding the planet.
3. **catch fire** *phr.*
The house caught fire and burned to the ground.
4. **punishment** [ˈpʌnɪʃmənt] *n.*
Hector was sent to bed as a punishment.
5. **comet** [ˈkəmɪt] *n.*
The comet will be visible to us for only a few minutes at the longest.
6. **disaster** [dɪˈzæstə] *n.*
Earthquakes are disasters that are very difficult to predict.
7. **invade** [ɪnˈved] *v.*
In the movie, aliens invaded the Earth.
8. **meteor shower** [ˈmɪtɪə] [ˈʃaʊə] *n.*
A meteor shower is a large group of meteors that fall down towards the Earth at the same time.
9. **spectacular** [spekˈtækjələ] *adj.*
✓ *impressive*
The view from the top floor is absolutely spectacular.
10. **at once** *phr.*
With everyone talking at once, it was difficult to understand anything.
11. **constellation** [ˌkɒnstəˈleɪʃən] *n.*
A constellation is a group of stars that appear in the sky.
12. **bureau** [ˈbjʊro] *n.*
I picked up information about sightseeing at the city's tourism bureau.
13. **display** [dɪˈsple] *n.*
The window display caught her eye.

UNIT 3

READING REVIEW

Check the correct answer.

1. Shooting stars are actually _____.
☐ a. disasters ☐ b. fire ☐ c. diamonds ☒ d. rocks
2. What did people once think about shooting stars?
☐ a. They were sent by the gods as wishes.
☒ b. They were sent by the gods as punishment.
☐ c. They were sent by the gods as medicines.
☐ d. They were sent by the gods as gifts.
3. What did vendors sell to fight the comet's ill effects?
☒ a. Medicines ☐ b. Candy ☐ c. Food ☐ d. Stars
4. In recent years, one of the most incredible showers was in _____.
☐ a. 1910 ☐ b. 1940 ☒ c. 2001 ☐ d. 2010
5. Which statement is NOT true?
☐ a. In 1066, England was invaded and King Harold was killed.
☐ b. When Halley's Comet passed the Earth, people thought it was affecting their health.
☒ c. Comets are more impressive than meteor showers.
☐ d. In 1833, the Leonid shower was like raining fire.



A shooting star shot across the sky. Alice decided to wish upon a star.
This is Alice's Wish List below.



Who's sending this: *alicewishlist@wishmaker.com*

Who's receiving this: *grant_it@wishcometrue.com*

Alice's Wish List



- I wish I could take a vacation at the beach.
- I wish I could live in Italy.
- I wish I could speak English and French.
- I wish I could meet Brad Pitt.
- I wish I could be rich and beautiful.



GIVE IT A TRY

Have you ever wished upon a star? Complete the wish list below,
then share with your classmates.

Who's sending this:

Who's receiving this:

(Answers will vary.) _____'s Wish List

① *I wish I could travel to Europe.*

② *I wish I had \$2 million.*

③ *I wish I could work for Donald Trump.*

④ *I wish I had two new cars.*

⑤ *I wish I could fly to the moon.*





I 閱讀能力測驗：詞彙與結構

請依照題意選出最適合的答案。

- | | |
|--|--|
| <p><u>A</u> 1. People can see _____ in the sky every 76 years.</p> <p>Ⓐ Halley's comet Ⓑ thunder
Ⓒ cloud Ⓓ tunnel</p> | <p><u>B</u> 5. We need some _____ answers by the end of this week.</p> <p>Ⓐ public Ⓑ definite
Ⓒ sudden Ⓓ minor</p> |
| <p><u>A</u> 2. Don't all talk _____. I don't understand what you guys are talking about.</p> <p>Ⓐ at once Ⓑ above all
Ⓒ at all Ⓓ on time</p> | <p><u>D</u> 6. As _____ for being rude in class, you have to clean all the desks.</p> <p>Ⓐ operation Ⓑ progress
Ⓒ symbol Ⓓ punishment</p> |
| <p><u>D</u> 3. The child's _____ behavior was worrying his mother.</p> <p>Ⓐ modern Ⓑ classical
Ⓒ frequent Ⓓ abnormal</p> | <p><u>A</u> 7. Many cancer patients have to _____ a great deal of pain.</p> <p>Ⓐ endure Ⓑ notice
Ⓒ admit Ⓓ permit</p> |
| <p><u>C</u> 4. The crowds watched excitedly as the rocket took off into _____.</p> <p>Ⓐ ground Ⓑ scenery
Ⓒ space Ⓓ kingdom</p> | <p><u>C</u> 8. Jack knows how to cook and enjoys good food. He's a(n) _____ after all!</p> <p>Ⓐ cowboy Ⓑ inventor
Ⓒ gourmet Ⓓ operator</p> |

II 閱讀能力測驗：克漏字填空

請從四個選項中選出一個最適合的字詞填入空格中。

Lisa tells Howard the surprising news that South Korea is developing space kimchi! It will be great for astronauts who ① food from home. Howard had hoped to be an astronaut ② he was a kid. He lost interest when he found out that freeze-dried food was all astronauts were ③ eat. He also didn't like the way they had to ④ the toilet. Lisa tells him that if people really want their dream come true, they may have to sacrifice things sometimes, ⑤ may mean giving up good food. Since the new technology may solve the food problem, Howard thinks being an astronaut is still a very attractive dream to ⑥.

- | | |
|---|---|
| <p><u>A</u> 1. Ⓐ miss Ⓑ taste
Ⓒ store Ⓓ bring</p> | <p><u>B</u> 4. Ⓐ look for Ⓑ go to
Ⓒ take Ⓓ wait for</p> |
| <p><u>C</u> 2. Ⓐ how Ⓑ why
Ⓒ when Ⓓ who</p> | <p><u>A</u> 5. Ⓐ which Ⓑ that
Ⓒ who Ⓓ what</p> |
| <p><u>B</u> 3. Ⓐ loved to Ⓑ supposed to
Ⓒ had to Ⓓ assumed to</p> | <p><u>D</u> 6. Ⓐ follow Ⓑ catch
Ⓒ make Ⓓ pursue</p> |



閱讀能力測驗：閱讀理解
請依照文意選出最適合的答案。

A People have been looking up at the night sky for thousands of years, and we have always been amazed by what we see. Some of the more remarkable features of the night sky are meteors. Many people refer to meteors as shooting stars, but they are actually small rocks that fall through the Earth's atmosphere. They fall so quickly that they catch fire! A meteor shower is one of the most beautiful events in the night sky, with many rocks appearing at once. Taiwan's largest shower was in 2001, with over 6,000 meteors in two hours.

- B 1. According to the passage, what is a meteor?
- Ⓐ It is stars that fall in the sky. Ⓑ It is a small rock from space.
Ⓒ It is a spaceship. Ⓓ It is a small planet.
- A 2. Which of the following is true about meteor showers?
- Ⓐ Many meteors appear at once. Ⓑ They come with big storms.
Ⓒ They only happen on rainy days. Ⓓ They aren't actually meteors.
- D 3. Which of the following is NOT true about Taiwan's largest meteor shower?
- Ⓐ The meteor shower happened in 2001.
Ⓑ There were thousands of meteors in it.
Ⓒ It lasted for a couple of hours.
Ⓓ The shower was dangerous for Taiwan.

B**Merryville Bus Schedule**

Bus No. 15 leaves every hour
from 7:00 A.M.—11:00 P.M.

Stops	Time
Merryville Train Station	10:00
Merryville High School	10:10
Times Square Mall	10:15
Central Park	10:30
City Hall	10:40
Merryville Train Station	10:55

- D 1. Where does the bus go after it leaves Merryville High School?
- Ⓐ It goes to City Hall.
Ⓑ It goes to Merryville Train Station.
Ⓒ It goes to Central Park.
Ⓓ It goes to Times Square Mall.
- C 2. How long does it take to go from Times Square Mall to City Hall?
- Ⓐ 5 minutes Ⓑ 10 minutes
Ⓒ 25 minutes Ⓓ 15 minutes



I 寫作能力測驗：單句寫作

請將標準答案完整地寫出，包括提示之文字及標點符號。

A 句子改寫 請依題目之提示，將原句改寫成指定型式，並將改寫的句子完整地寫出。

1. She never saw a bear before she moved to Alaska. (用過去完成式)

She had never seen a bear before she moved to Alaska.

2. Mandy finished washing the dishes before her mom came home. (用過去完成式)

Mandy had washed the dishes before her mom came home.

B 句子合併 請依照題目指示，將兩句合併成一句，並將合併的句子完整地寫出。

1. I finished doing my homework.

Jack called. (用by the time合併)

I had done my homework by the time Jack called.

2. Susan lived in Canada for ten years.

Susan moved to France last month. (用before合併)

Susan had lived in Canada for ten years before she moved to France last month.

C 重組 請將題目中所有提示字詞整合成一句有意義的句子，並將重組的句子完整地寫出。

1. *The students talked about the movie that they had watched.*

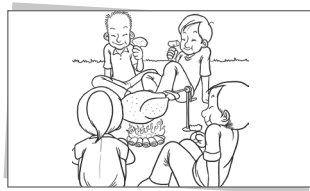
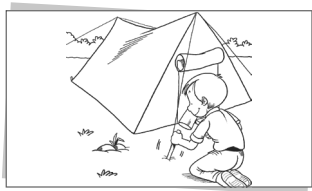
that / watched / about / the / talked / had / The / movie / students / they

2. *The show had already started when we got to the theater.*

when / show / we / to / The / started / got / theater / had / the / already

II 寫作能力測驗：段落寫作

題目：跟我們分享暑假時你跟朋友們去露營，一起搭帳篷，一起烤肉，以及一起數著天上星星的開心往事吧！請根據這些圖片寫一篇約 50 字的記敘短文。



Sample Answer:

I went camping with my friends during summer vacation. After I

hammered the stakes in the ground to set up our tent, my friends and I sat

around the campfire. We barbecued chicken and told jokes to each other.

Later in the evening, we lay on the grass and stared up at the moon and

stars. My friends and I planned to go camping every weekend from now on.