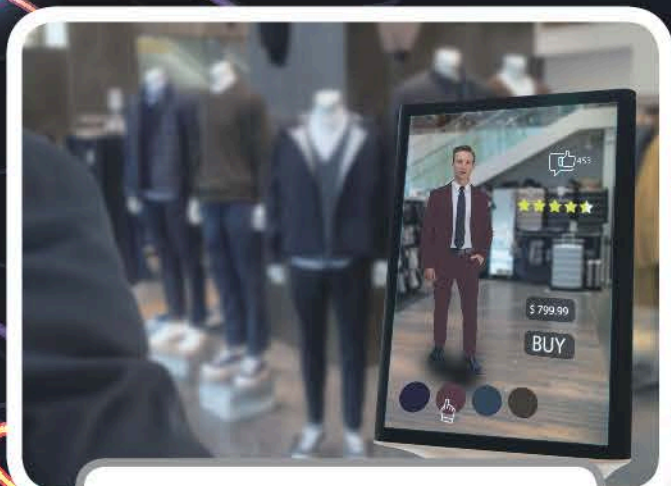


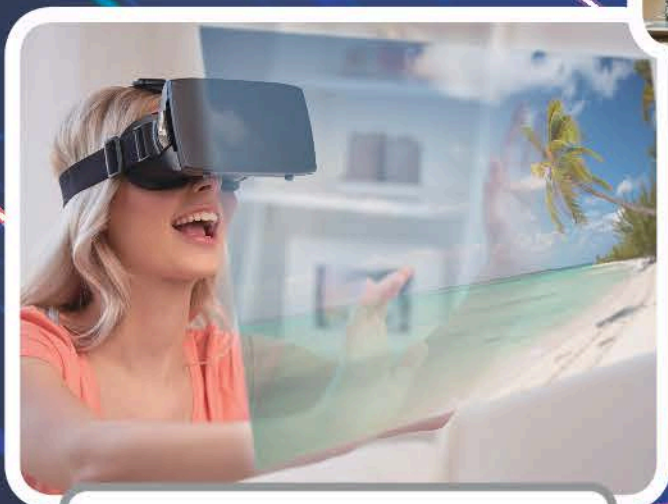
3 A Different Reality¹



Trying on new clothes virtually



Playing a VR game

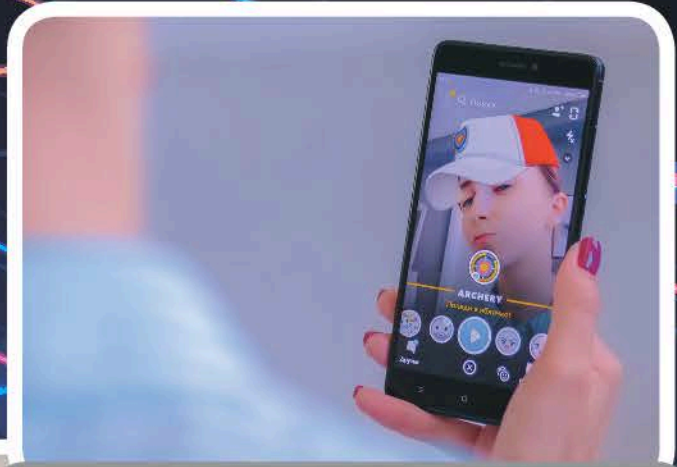


Traveling virtually

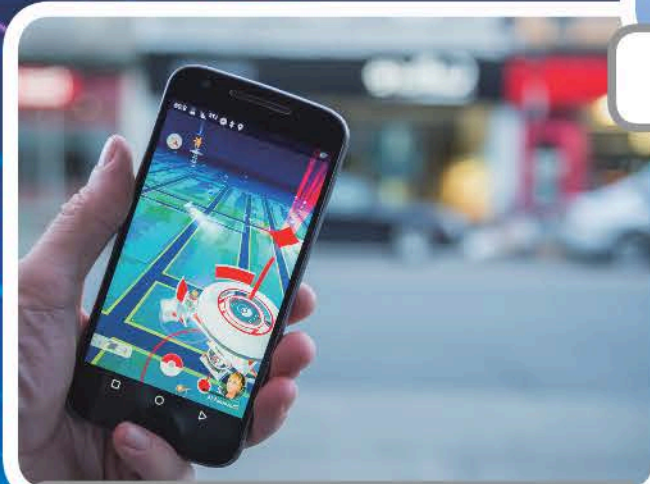
BEFORE YOU READ

Have you ever heard about Augmented Reality (AR) or Virtual Reality (VR)?

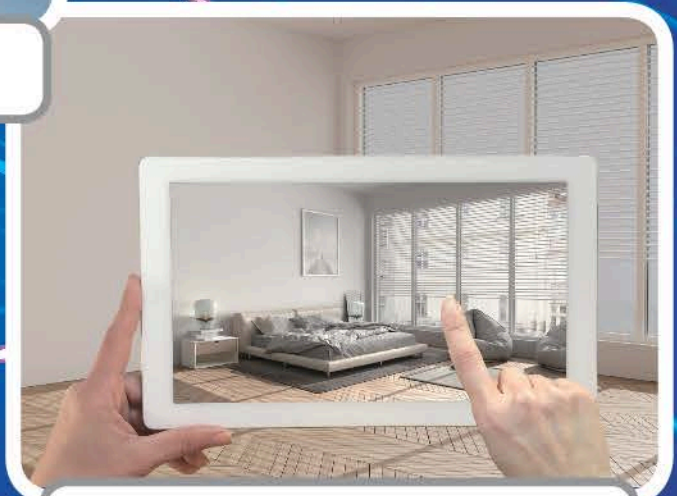
Check (✓) what you have experienced and share your thoughts on these technologies.



Using an AR phone app



Playing an AR game



Designing a room

READING



1 Lily is using her smartphone to take selfies with her friends. The little screen keeps making them laugh. These selfies are not just ordinary photos. By using a special app, Lily and her friends can **add**² rabbit ears, strange hats, and other funny **effects**³ to change their **appearances**⁴ in these photos.



2 Jerry, **on the other hand**, is playing a mobile game with special glasses. These glasses help him get better **involved**⁵ in the game. In fact, he feels that **scary**⁶ ghosts are really chasing after him in the **wild**⁷. It is so exciting!

3 How can Lily and Jerry do all of these? Actually, Lily is using Augmented* Reality (AR), while Jerry is using Virtual* Reality (VR). AR adds digital* **information**⁸ to the real world, so Lily can see rabbit ears on her head in the picture. **As for** VR, it only shows the virtual world. Thus, while Jerry is playing, he can only see the **scenes**⁹ in the games and forget about the real world.



2. add [æd] *vt.* 加

3. effect [ɪˈfekt] *n.* [C] 特效

4. appearance [əˈpiərəns] *n.* [C] 外表

• on the other hand 另一方面

5. involved [ɪnˈvɒlvd] *adj.* 參與的

6. scary [ˈskəri] *adj.* 可怕的

7. wild [waɪld] *n.* [sing.] 荒野

* augmented [ɔːɡˈmentɪd] *adj.* 擴增的

* virtual [ˈvɜːtʃʊəl] *adj.* 虛擬的

* digital [ˈdɪdʒɪtl] *adj.* 數位的

8. information [ˌɪnfəˈmeɪʃən] *n.* [U] 資訊

• as for 至於

9. scene [siːn] *n.* [C] 場景

4 AR and VR are changing our lives in many ways. If you like to shop for clothes online, you will love the virtual dressing room. It lets you “try on” clothes right at home. Just stand in front of an AR mirror* and choose any clothes from the list. You will soon see your **image**¹⁰ wearing the clothes!



20

5 These new technologies are also used in learning. **For instance**, when you visit an art museum, you can **give** AR glasses **a try**. These glasses will show you **extra**¹¹ information about each painting on the wall. If you are **curious**¹² about outer space*, then you can put on a VR headset* and **explore**¹³ it yourself.

25

6 AR and VR seem to make a lot of things possible in life. It is certain that these new technologies will continue to **develop**¹⁴. With them, our ideas of “reality” will never be the same.



Cultural Note

新興科技 AR 和 VR 的誕生，為生活帶來更多便利及可能性。然而，有六大領域會因此受到衝擊：媒體、教育、工作、社群互動、旅遊與零售業。未來，人們的習慣必將大大地被改變！

• try on 試穿

* mirror [ˈmɪrə] *n.* [C] 鏡子

10. image [ˈɪmɪdʒ] *n.* [C] 影像

• for instance 例如

• give...a try 試試看……

11. extra [ˈɛkstrə] *adj.* 額外的

12. curious [ˈkjʊrɪəs] *adj.* 好奇的

* outer space [ˌaʊtəˈspes] *n.* [U] 外太空

* headset [ˈhɛdˌset] *n.* [C] 頭戴裝置

13. explore [ɪkˈsplɔː] *vt.* 探索

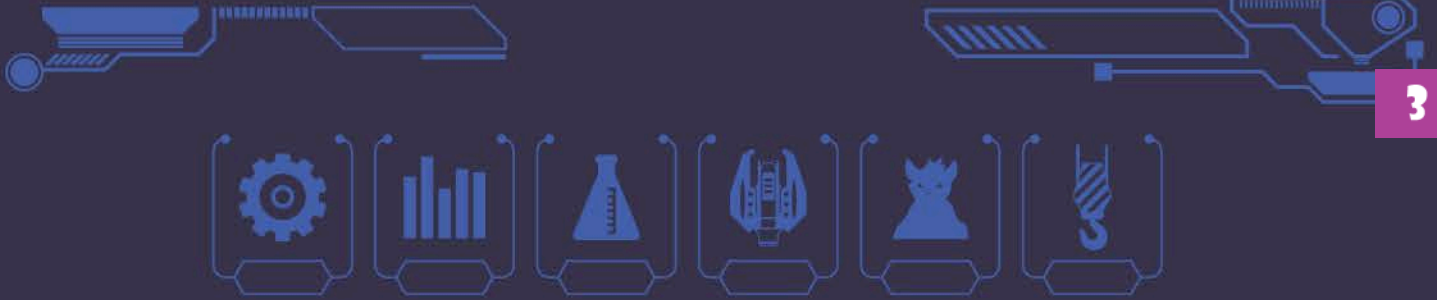
14. develop [dɪˈveləp] *vi.* 發展

GRAPHIC ORGANIZER

Fill in the blanks with correct words and pictures (A–D).

scenes	images	digital	Virtual
appearances	Augmented	information	explore





New technology	AR: ¹ _____ Reality	VR: ⁷ _____ Reality
Equipment	◆ AR apps, glasses, and mirrors	◆ Special glasses and headsets
Function	◆ Add ² _____ information to the real world	◆ Show the virtual world
Applications	<ul style="list-style-type: none"> ◆ Add special effects to change people's ³ _____ in the photos ◆ Put virtual clothes on people's ⁴ _____ ◆ Show extra ⁵ _____ about real paintings ◆ Pictures: ⁶ _____ 	<ul style="list-style-type: none"> ◆ Make players only see the ⁸ _____ in the games ◆ Allow people to ⁹ _____ the virtual world ◆ Pictures: ¹⁰ _____

AFTER YOU READ

I. Main Idea *Choose the best answer.*

- () What is the reading mainly about?
- (A) How to visit an art museum.
 - (B) How to shop for clothes online.
 - (C) The use of computers in learning.
 - (D) The use of VR and AR in our lives.



• Do you like AR and VR? What may be their good or bad sides?

II. Details *Choose the best answer.*

- () 1. How does Lily make special selfies?
- (A) She takes selfies with her classmates.
 - (B) She uses a special AR app.
 - (C) She takes pictures by herself.
 - (D) She wears a smile on her face.
- () 2. Why does Jerry put on a VR headset when he plays a mobile game?
- (A) He can get better involved in the game.
 - (B) He can win the game.
 - (C) He can talk to his friends.
 - (D) He can see the real world.
- () 3. What will happen if you use an AR mirror?
- (A) You will be given the information about paintings.
 - (B) You will see your image wearing the clothes.
 - (C) You will see rabbit ears on your head.
 - (D) You will go to outer space.
- () 4. Which of the following is the use of VR?
- (A) Showing more digital information.
 - (B) Seeing the virtual world.
 - (C) Changing people's looks in photos.
 - (D) Trying on virtual clothes.

VOCABULARY



I. Words for Production

1

reality

[rɪˈæləti]

n. [C][U] 現實 (what really happens)

▶ Rachel is hoping that time travel will become a reality.



3

2

add

[æd]

vt. 加 (to put something with another)

▶ Melody **added** a sticker to her message to show her feelings.



3

effect

[ɪˈfekt]

n. [C] 特效，效果 (an image or sound that is created)

▶ I liked the performance because it had great sound **effects**.

n. [C][U] 影響 (a change that is produced)

▶ The new law will have an effect on the rich.



effective

[ɪˈfektɪv]

adj. 有效的 **ANT** ineffective

▶ The medicine is highly effective in bringing down a fever.

4

appearance

[əˈpɪərəns]

n. [C][U] 外表 (how someone or something looks)

▶ Young people often care a lot about their **appearance**.



5

involved

[ɪnˈvɒlvd]

adj. 參與的，有關的 **ANT** uninvolved

(taking part in or connected with something)

▶ This music event is huge. More than 20 bands are involved in it.

involve

[ɪnˈvɒlv]

vt. 包含，與……有關

▶ The movie **involved** many Disney characters, such as Elsa and Buzz Lightyear.



6 **scary**
[ˈskɛrɪ]

adj. 可怕的 **SYN** frightening
(making someone afraid)

▶ The old house looked **scary** in the dark.



7 **wild**
[waɪld]

n. [sing.] (the~) 荒野，野生環境 (a natural environment)

▶ In the game, the players are left in the wild and must find food to live.



wild
[waɪld]

adj. 野生的 **ANT** tame

▶ Roy found some **wild** animals when he was hiking in the mountains.

8 **information**
[ˌɪnfəˈmeɪʃən]

n. [U] 資訊，消息 (facts, details)

▶ On the Internet, we can find information about almost everything.



inform
[ɪnˈfɔrm]

vt. 告知

▶ After the job interview, Julia is waiting for the interviewer to inform her of the result.

9 **scene**
[sɪn]

n. [C] 場景 (a part where the action happens)

▶ To our surprise, there are many love **scenes** in this scary movie.

10 **image**
[ˈɪmɪdʒ]

n. [C] 影像，圖像 (a picture in a mirror or on a screen)

▶ In the past, **images** on TV were only black and white.



11 **extra**
[ˈɛkstrə]

adj. 額外的，另外的 **SYN** additional
(more of something)

▶ Customers need to pay more if they want **extra** cheese on their pizzas.



12

curious

[ˈkjʊriəs]

adj. 好奇的 (wanting to know)

▶ Tim is very **curious** about what his online friend looks like.

**curiosity**

[ˌkjʊrɪˈæsəti]

n. [U][sing.] 好奇心

▶ Out of **curiosity**, the rabbit smelled everything in the house.

3

13

explore

[ɪkˈsplɔː]

vt.; vi. 探索 (to travel around an area to learn about it)

▶ Many tourists like to take a glass-bottom boat to **explore** the ocean.



14

develop

[dɪˈveləp]

vi.; vt. 發展，成長 (to grow bigger or better)

▶ With the help of artists, the old station **developed** into a new attraction.

development

[dɪˈveləpmənt]

n. [U] 發展，成長

▶ The **development** of smartphones amazes my mom and changes her attitude toward technology.



II. Words for Recognition

1. augmented [ɔːgˈmentɪd] *adj.* 擴增的
2. virtual [ˈvɜːtʃʊəl] *adj.* 虛擬的
3. digital [ˈdɪdʒɪtəl] *adj.* 數位的
4. mirror [ˈmɪrə] *n.* [C] 鏡子
5. outer space [ˌaʊtəˈspes] *n.* [U] 外太空
6. headset [ˈhed, set] *n.* [C] 頭戴裝置



PHRASES



1

on the other hand

另一方面 (giving a different opinion or fact)

► I would really like to enjoy some late-night snacks. **On the other hand**, I don't want to put on weight.



2

as for

至於 **SYN** regarding

(starting to talk about someone or something)

► Selina will come to our barbecue party. **As for** Hebe, she is still thinking about that.



3

try on

試穿 (to wear something to see how it looks)

► David never buys shoes online because he cannot **try them on**.



4

for instance

例如 **SYN** for example

(to give an example)

► I downloaded several kinds of apps. **For instance**, there were camera apps and game apps.



5

give...a try

試試看…… (to try something)

► Although “pudding ramen” sounds strange, I would love to **give it a try**.





Word Smart

-y 為形容詞字尾，加在名詞後。

Practice

sleep → _____ 想睡的

rain → _____ 下雨的

-y

cloud + y → cloudy 多雲的

curl + y → curly 捲曲的

salt + y → salty 鹹的

scare + y → scary
(去 e 加 y) 可怕的

3

GRAMMAR

1. if 條件子句：If + S + V,
S + Aux + V

▲ 圈出 if 句中的動詞。

1. If Debby visits the website, she can get more information.
2. If the players find the hidden box, they will get an extra prize.

1. 此處 if 開頭的子句，表示可能發生的情況，意思為「如果……」。
2. 動詞時態：

{ if 子句：現在簡單式
主要子句：助動詞 + 原形動詞

If + S + V

if子句

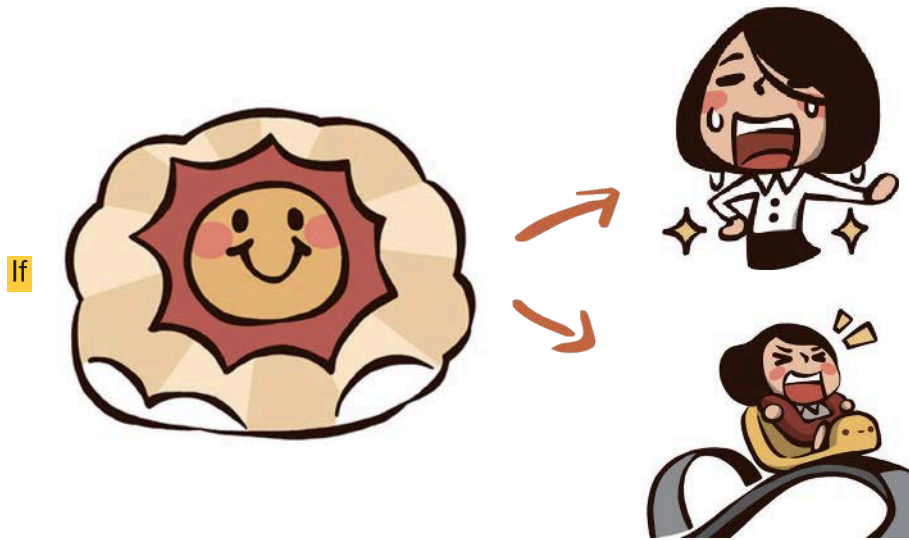
S + Aux + 原形V

主要子句

3. 即使 if 子句表示「未來」的情況，動詞一樣用現在簡單式。

the weather **is** good,

my wet shirt **may be** dry soon.



tomorrow **is** a sunny day,
未來

I will go to E-DA World.

▲ 找出兩句課文中使用到此句型的句子：

1. _____
2. _____

Let's Try!

A. 根據句型改寫句子。第一題為範例。

1. Mr. Smith may want to meet Mrs. Lin. If he does, you must let her know.

→ *If Mr. Smith wants to meet Mrs. Lin, you must let her know.*

2. It may rain all day long today. If it does, these kids can't play baseball outside.

→ _____

3. Amber may take a long vacation next month. If she does, she will travel to Canada.

→ _____

4. Some guests may come to our house this evening, so we probably should prepare dinner for them.

→ _____

5. The couple may have no time to visit the museum today, but they can go there tomorrow.

→ _____

B. George 入選為第一批火星 (Mars) 移民，並做了一些想像。從下方提示中找出遺失的字，並將完整字詞填入句中。第一題為範例。



1. If I **move** to Mars, I will bring some photos of my family and friends.
2. If I land on Mars successfully, I will **take** a selfie first.
3. We may find aliens* on Mars. If an alien **attacks** me, I should be ready to fight back.
4. If life on Mars is boring, I will **write** songs and **create** some fun myself.
5. If there **is** not enough electricity* on Mars, I cannot **write** anything at night. I probably need to go to bed early every day.

* alien 外星人

* electricity 電



attack attacks create caused do is
move take takes write wrote invite

2 使役動詞：
(主動用法) make } + O + V
let }
have }

▲ 找出粗體字詞的相同之處。

- My parents **made** me **go** to the talent show.
- Tom **let** his daughter **develop** her interests herself.
- The doctor **had** the sick boy **take** the medicine three times a day.

→ go、develop、take 都是 動詞。

1. make、let、have 為使役動詞，表示「使、讓」的意思。
2. 當受詞是「主動做某事」，後面接原形動詞。



◆ The funny sticker **made** Lauren **laugh**.

◆ Lauren **let** her friend **see** the sticker.

▲ 找出兩句課文中使用到此句型的句子：

1. _____
2. _____

Let's Try!

A. 根據句型及提示字改寫句子。

1. Mrs. Brown asked her husband to give her a call. (*have*)

→

2. The manager caused the team to change their plans. (*make*)

→

3. Jamie's father wants her to come home before 10 p.m. (*make*)

→

4. Mike's parents allowed him to paint the walls of his bedroom green. (*let*)

→

5. The teacher ordered the students to leave the classroom immediately. (*have*)

→

B. Claire 在指導一群朋友幫她打掃新家。根據圖片，填入正確的字詞。第一題為範例。

mop clean ~~wipe~~ move take out



1. Claire has her friend the window.



2. Claire lets her friends the box.



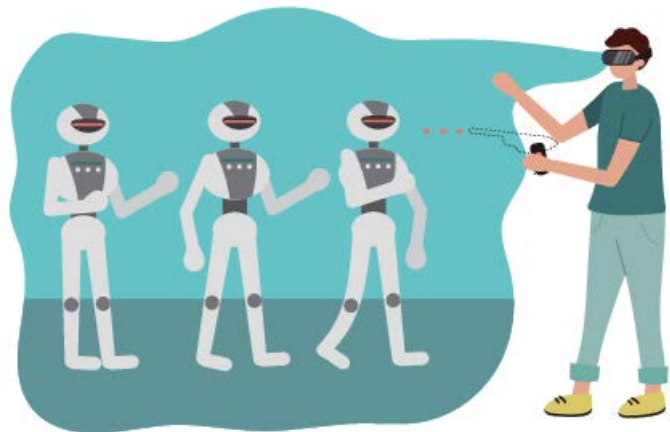
3. Claire has her friend
the floor.



4. Claire makes her friend
the toilet.



5. Claire makes her friend
the garbage.





Introducing New Things

Jerry: Look at those funny effects on your selfie! How did you do that?

Lily: By using an AR app. It has lots of cool **features**.

Jerry: Like **frames** and stickers?

Lily: Yeah. And I often use the **filters** to change the color of my photos.

Jerry: Wow! They make a photo look totally different.

Lily: Amazing, right? Hey, what's that you're holding?

Jerry: This is my VR headset. I use it to play games.

Lily: What does it do?

Jerry: When you put it on, it **appears** you're actually in a game.

Lily: Sounds interesting.

Jerry: It can even sense your hands and allow you to move virtual **objects**.

Lily: Really? I want to give that a try!

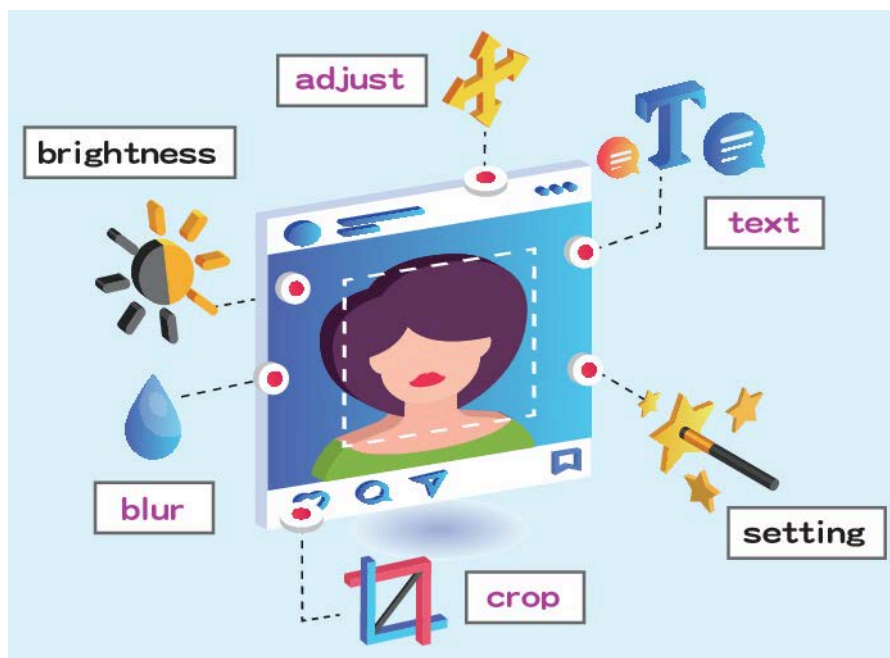


1. feature [ˈfi:tʃə] n. [C] 特點
2. frame [frem] n. [C] (圖片) 框
3. filter [ˈfɪltə] n. [C] 濾鏡

4. appear [əˈpiə] linking v. 看起來
5. object [ˈɒbdʒɪkt] n. [C] 物品

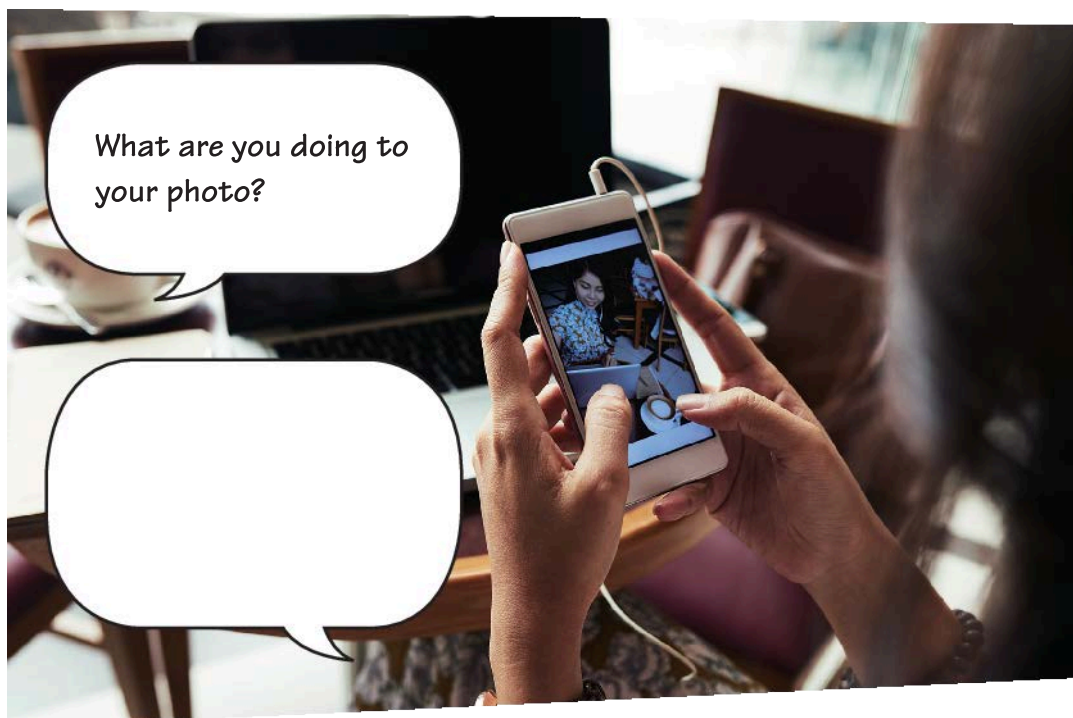
Level Up!

- Photo editing:



Role Play

You are editing a photo, and your friend is curious about it.



6. edit [ˈɛdɪt] vt. 編輯

7. adjust [əˈdʒʌst] vi. 調整

8. text [tɛkst] n. [U] 文字

9. crop [krɒp] vt. 裁切

10. blur [blɜː] n. [C] 模糊

I. Vocabulary

根據提示，圈出單字。



e _____



s _____



c _____



s _____



i _____

y	m	u	v	q	t	x	c	i	j
e	d	o	a	m	l	z	e	n	y
x	w	b	s	n	i	u	r	f	l
t	v	s	c	a	r	y	h	o	p
r	m	c	p	d	v	t	b	r	c
a	i	e	t	f	b	x	s	m	a
k	z	n	y	h	s	o	e	a	l
u	a	e	n	d	f	y	r	t	m
n	i	u	o	b	m	r	v	i	x
a	p	n	e	w	r	k	l	o	e
c	u	r	i	o	u	s	q	n	a

II. Matching

根據文意，選出最適當的答案。

(A) explore (B) effect (C) development (D) adds...to (E) give...a try

When we speak of AR and VR, most people think of games right away. For example, Pokémon Go 1 digital images 1 the real world, and it is popular among the young and old. In fact, AR and VR are having a(n) 2 on people's lives in many ways. Today, both of them are being widely used in learning. People can 3 an art museum or even outer space at home with a VR headset. With the 4 of AR and VR, human life will definitely be changed. Soon, more and more people will have the chance to 5 these technologies 5 !

1. () 2. () 3. () 4. () 5. ()

III. Multiple Choice

根據句意，選出最適當的答案。

- () 1. Nowadays, people can order food and drink by _____ phone apps.
(A) using (B) to use (C) use (D) used
- () 2. It is certain _____ exercise can be good for our health.
(A) there (B) what (C) that (D) how
- () 3. New technologies seem to _____ a lot of things possible in life.
(A) take (B) order (C) show (D) make
- () 4. The interesting home video kept _____ us laugh.
(A) made (B) make (C) to make (D) making
- () 5. Paul is a positive person, _____ his sister worries about everything.
(A) and (B) while (C) if (D) or

IV. Guided Translation

根據中文及提示字首，寫出完整字詞。每格限填一字。

1. 那個男子試穿了很多雙鞋，最後卻沒買半雙。

The man t_____ o_____ many pairs of shoes, but he didn't buy any of them in the end.

2. 很多人瘋韓劇。至於我，我比較喜歡臺劇。

Many people are crazy about Korean dramas. A_____ f_____ me, I love Taiwanese dramas more.

3. Leo 很好奇扭蛋裡面有什麼。

Leo is c_____ a_____ what is inside the gashapon.

4. 很多遊客會在迪士尼樂園裡戴米奇耳朵，來更融入樂園的精神。

Many tourists wear Mickey Mouse ears in Disneyland to g_____ better i_____ in the spirit of the theme park.

5. 我媽很開明。另一方面，我爸就比較保守。

My mom is open-minded. O_____ t_____ o_____ h_____, my dad is more conservative.

V. Grammar

重組句子，並加上適當標點符號。

1. had / take our picture / a waiter / We

2. often / make / Sad stories / cry / Dennis

3. my room / Don't / let / come into / the dog

4. If / we may / a friend / prepare some snacks / visits us

5. take a trip to Japan / a vacation / I will / If / I have
