

# New ways of thinking

## A Inventions

1 Put the letters in the correct order to make adjectives. Then write the negative forms with *in-* or *un-*.

- |                 |                   |                     |
|-----------------|-------------------|---------------------|
| 1. tncenoevin   | <u>convenient</u> | <u>inconvenient</u> |
| 2. enictonnalvo | _____             | _____               |
| 3. fsiiancnitg  | _____             | _____               |
| 4. ginvimtaiae  | _____             | _____               |
| 5. icrevaet     | _____             | _____               |
| 6. ulcucefsss   | _____             | _____               |
| 7. vecfeifet    | _____             | _____               |
| 8. veefutin     | _____             | _____               |

2 Complete the text with the word in parentheses or its negative form.



Ansafone

Today, people think answering machines are inconvenient<sup>1</sup> (convenient) because they are used to voice mail. But when Willy Müller made the first automatic answering machine in 1935, it was a significant<sup>2</sup> (significant) invention. In 1960, the Ansafone, invented by Dr. Kazuo Hashimoto, was the first successful<sup>3</sup> (successful) answering machine sold in the U.S. It was followed by the PhoneMate in the 1970s. However, many of these early answering machines were ineffective<sup>4</sup> (effective) because they were so big and heavy! Then a man named Gordon Matthews changed everything. Matthews was an imaginative<sup>5</sup> (imaginative) man who looked at things in new and unconventional<sup>6</sup> (conventional) ways. In 1979, he started VMX, the company that made the first voice mail system. Voice mail is effective<sup>7</sup> (effective) because you can listen to your messages using your phone. The system is more convenient<sup>8</sup> (convenient) than an answering machine.

### 3 Put the words in the correct order to make sentences.

1. great / a / is / designer / My sister / such / .

My sister is such a great designer.

2. creative / She / so / is / .

3. Her / are / interesting / ideas / so / .

4. She / she decided to open / that / imaginative / so / is / her own store / .

5. online store / good / a / such / idea / was / Her / .

6. It / successful / her other job / that / she quit / was / so / .

7. ten people working for her / is / a big company / that / she has / such / Now it / .

8. She / I / hardly ever see her / that / busy / so / is / .

### 4 Complete the conversation with *so* or *such*.

Dennis: Hey, Laila. Did you see that list of cool ideas for cell phones on the Internet the other day? It was such<sup>1</sup> an amazing list.

Laila: No, I didn't see it.

Dennis: Well, some of the ideas were so<sup>2</sup> creative, and there was a<sup>3</sup> cool picture of one of them, too.

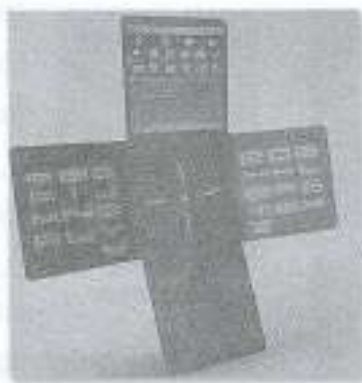
Laila: Tell me about it.

Dennis: Well, it was a<sup>4</sup> great idea. It was a cell phone that is only five square centimeters.

Laila: That's so<sup>5</sup> small!

Dennis: Yes, it is. But it opens and gets bigger! It was such<sup>6</sup> an imaginative idea that the inventor won an award for it.

Laila: Wow, I love new inventions. The list sounds so<sup>7</sup> interesting . . . What's the website?



**5** Rewrite the sentences with *so* or *such* in the correct position.

1. Wow! That salesman is enthusiastic about the Easy Broom.

Wow! That salesman is so enthusiastic about the Easy Broom.

2. But it looks like an ineffective product!

\_\_\_\_\_

\_\_\_\_\_

3. The inventor's idea is unimaginative.

\_\_\_\_\_

4. His design is conventional.

\_\_\_\_\_

5. He'll have a difficult time getting people to buy it.

\_\_\_\_\_



**6** What do you think of the invention in Exercise 5? Write your own opinion with some of the words in the box. Use *so* or *such*.

convenient / inconvenient	design
creative / uncreative	idea
significant / insignificant	invention

Example: It's so creative, but it's such an insignificant invention.

\_\_\_\_\_

**7** Make one sentence. Use *so . . . that* or *such . . . that*.

1. That new phone is popular. There aren't any left in the store.

That new phone is so popular that there aren't any left in the store.

2. Daniel is creative. He won an award for his idea.

\_\_\_\_\_

3. Eva is a successful businessperson. She got two promotions this year.

\_\_\_\_\_

4. That new car is cheap. I might be able to buy it.

\_\_\_\_\_

5. The Internet is a great invention. People all over the world are using it.

\_\_\_\_\_



Read the pairs of questions and responses. Complete each conversation with the correct pair.

Do you have any ideas?  
One idea could be to invite her.

Got any ideas?  
One solution might be to keep it in the refrigerator.

✓ Got any suggestions?  
Something we could try is to put them on top of each other.

A. Hee Jin: You have such a big book collection!

Debbie: I know. There isn't room for all of the books on my bookshelf.

*Got any suggestions?* \_\_\_\_\_  
1

Hee Jin: \_\_\_\_\_  
2

Debbie: What do you mean?

Hee Jin: You know, instead of standing them up, put them on each other, like this.

Debbie: Oh, I see. Good idea.

B. Lydia: Hey, my cell phone isn't working.

Josh: Oh, no. What are you going to do?

Lydia: Hmm . . . I don't know. \_\_\_\_\_  
1

Josh: \_\_\_\_\_  
2

Lydia: That's a weird idea. Why?

Josh: Well, it really works. But it only keeps the phone working for a while. You'll probably have to get a new one soon.

C. Mario: Hey, do you want to go to a concert on Friday?

Hank: Yes! But I can't. I have plans with Jill.

Mario: But it's our favorite band . . . The Pines.

Hank: Oh, no! I have to go. But what about Jill?

\_\_\_\_\_  
1

Mario: \_\_\_\_\_  
2

Hank: That's a good idea. I think she'll like the band, too. Thanks!



## C

## Accidental inventions

- 1 Circle the correct words to complete the texts.



### Something New to Eat!

The invention<sub>1</sub> / invented of the ice cream cone was an accident! It was invention<sub>2</sub> / invented in 1904 at the World's Fair in St. Louis, Missouri. Arnold Fornachou's ice cream stand was such a success<sub>3</sub> / succeeded at the fair that he ran out of dishes. Next to Arnold, Ernest Hamwi was selling waffles – a flat type of cake. When Arnold ran out of dishes, Ernest rolled one of his waffles and creation<sub>4</sub> / created a dish. Ernest put the ice cream in the waffle. This innovation<sub>5</sub> / innovated became the ice cream cone!

After the fair, Ernest Hamwi development<sub>6</sub> / developed a new company that sold ice cream in waffle cones. His company success<sub>7</sub> / succeeded. The design<sub>8</sub> / designed has changed over the years, but waffle cones are still popular.

### A New Color

In 1856, William Perkin was a young scientist. He introduction<sub>9</sub> / introduced a new dye to the world – by accident! Dyes are used to change the color of cloth. Perkin was trying to make a new medicine, but by accident he made a beautiful purple dye. Perkin's dye was the first that was not made from a plant or an animal. It was an improvement<sub>10</sub> / improved over other dyes because it was less expensive and easier to make. The dye proved<sub>11</sub> / proof to be successful. Perkin's creation<sub>12</sub> / created was also a new color. He called it *mauve*.

- 2 Answer the questions with your own information.

Example: I designed a tree house for my yard. My parents helped me make it.

1. Have you ever designed anything? What was it? \_\_\_\_\_
2. What's your biggest success in life? \_\_\_\_\_
3. What do you think is the best invention in the past ten years? \_\_\_\_\_
4. Have you ever been asked for proof of who you are? When? \_\_\_\_\_




**3** Circle the correct phrase to complete each sentence.

1. The crossword puzzle \_\_\_\_\_ by Arthur Wynne in 1913.  
a. is invented    **b. was invented**    c. have been invented
2. At first, Arthur's puzzle \_\_\_\_\_ a word-cross.  
a. is called    b. was called    c. have been called
3. Crossword puzzles \_\_\_\_\_ in newspapers for about 100 years.  
a. is printed    b. was printed    c. have been printed
4. The first crossword puzzle book \_\_\_\_\_ in 1924.  
a. is made    b. was made    c. have been made
5. Today, some crossword puzzles \_\_\_\_\_ online.  
a. are done    b. were done    c. have been done
6. *The New York Times* newspaper \_\_\_\_\_ for its crossword puzzles. Many people buy the newspaper because they want to do the crossword puzzle.  
a. is known    b. was known    c. were known

**4** Complete the text with the correct form of the verb in parentheses. Use the passive form of the simple present, simple past, or present perfect.

[www.historyinventions/cup.com](http://www.historyinventions/cup.com)

## Fun facts about the zipper

- 
- The zipper was invented<sup>1</sup> (invent) in 1913 by Gideon Sundback.
  - It \_\_\_\_\_<sup>2</sup> (call) the "Hookless Fastener" for over ten years. Then, in 1925, it \_\_\_\_\_<sup>3</sup> (name) the zipper. A person using a zipper on a boot said "zip" because that was the sound that it made. It \_\_\_\_\_<sup>4</sup> (call) the zipper ever since that time.
  - Zippers \_\_\_\_\_<sup>5</sup> (use) today on all types of clothing. In the past, they \_\_\_\_\_<sup>6</sup> (use) on clothing for people in World War I.
  - Zippers \_\_\_\_\_<sup>7</sup> (made) of metal since 1913. Today, many of them \_\_\_\_\_<sup>8</sup> (made) of plastic.
  - Pants with zippers \_\_\_\_\_<sup>9</sup> (wear) by men for many years, and they still wear them today. But women's clothing did not have zippers until about 1930. Then zippers \_\_\_\_\_<sup>10</sup> (put) on women's clothing, too.

- 5** Write sentences with the words in parentheses and the passive form of the simple present, simple past, or present perfect.



windshield

windshield wiper

- (Today, / car windshields / make / of glass)  
Today, car windshields are made of glass.
- (Windshield wipers / invent / in 1905 by Mary Anderson)  
\_\_\_\_\_
- (The design of windshield wipers / improve / since 1905)  
\_\_\_\_\_
- (Windshield wipers / put / on the front of cars / for many years)  
\_\_\_\_\_
- (Today, / windshield wipers / find / on the front and the back of some cars)  
\_\_\_\_\_

- 6** Rewrite the sentences in the passive form.

- Alexander Graham Bell invented the telephone.  
The telephone was invented by Alexander Graham Bell.

- People have used telephones since 1876.  
\_\_\_\_\_

- Someone made the first cell phone call in 1973.  
\_\_\_\_\_

- 1.4 billion people used cell phones in 2003.  
\_\_\_\_\_

- Over 4.6 billion people use cell phones today.  
\_\_\_\_\_

- People develop new kinds of cell phones every year.  
\_\_\_\_\_





## D

## Making life easier

1 Read the text. Then number the items in the order they were invented.

\_\_\_\_\_ refrigerator    \_\_\_\_\_ vacuum cleaner    1 sewing machine    \_\_\_\_\_ microwave

## Remember when?

Many inventions make life easier. We forget what life was like before these things were invented. Here are some inventions that made life easier at home.



**The Refrigerator** The refrigerator was invented in 1876 by Carl von Linde. Before that, many people had icehouses. They bought ice and kept it in a building outside of the house. People put their food in the icehouse to keep it cold and fresh. But the icehouse didn't keep things fresh for long. The refrigerator makes keeping food fresh much easier.



**The Vacuum Cleaner** Before the vacuum cleaner was invented, people used brooms to clean their floors. The first vacuum cleaner was invented in 1860 by Daniel Hess, but it was very heavy. One person had to move the base of the machine, and another person moved the part that picked up dirt and dust. Many people improved Hess's design, but vacuum cleaners were still expensive and heavy. In 1908, James Spangler made an effective and less expensive vacuum cleaner. After that, people started buying them for their homes.



**The Sewing Machine** Imagine not being able to buy clothing in a store! Before the invention of the sewing machine, everyone made their clothing at home by hand. Many people tried to invent a sewing machine in the 1800s, and Elias Howe invented the first useful sewing machine in 1846. Others followed. The invention of the sewing machine allowed companies to make large amounts of clothing that could be sold in stores.



**The Microwave** The microwave was invented by accident. Percy Spencer was working with radar waves at his job. The radar waves cooked a candy bar that was in his pocket! This gave him an idea, and he created the microwave oven in 1945. The first microwave was called the Radar Range. It was used mostly in restaurants.

2 Read the text again. Then rewrite the sentences to correct the underlined mistakes.

1. Carl von Linde invented the microwave. Carl von Linde invented the refrigerator.
2. You needed only one person to use the first vacuum cleaner.  
\_\_\_\_\_
3. Daniel Hess made a cheaper vacuum cleaner. \_\_\_\_\_
4. Before sewing machines were invented, people made their clothes in stores.  
\_\_\_\_\_
5. The first microwave was called the Percy Spencer Oven. \_\_\_\_\_