

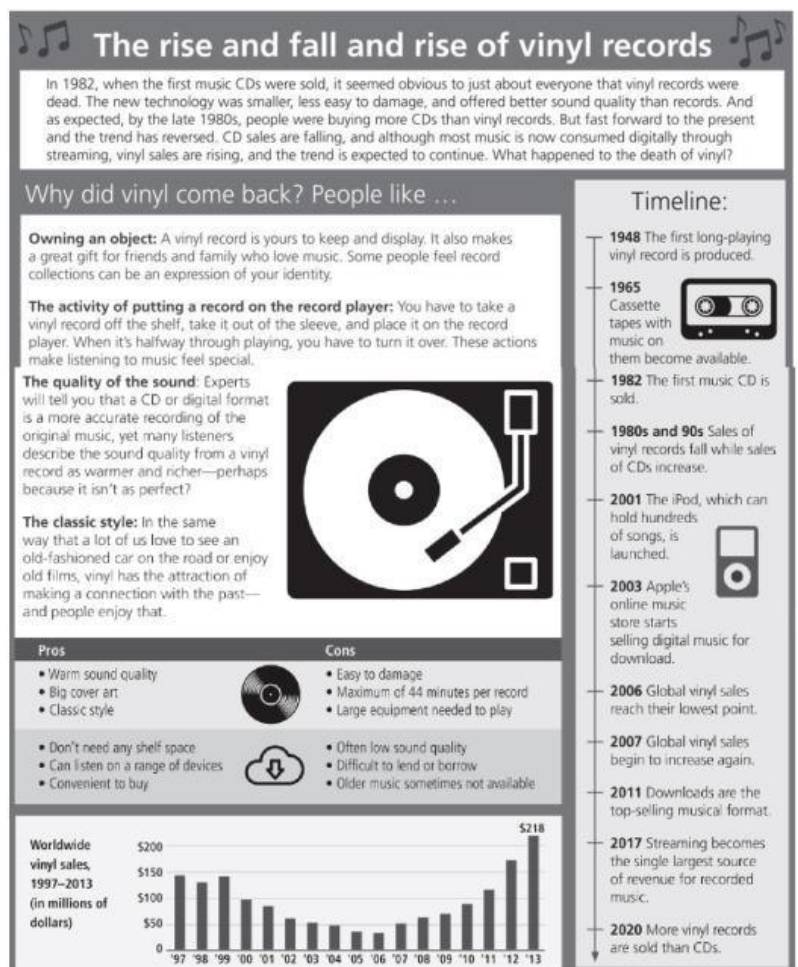
3 Imagining the future

2 Read the infographic. Circle the options that are true according to the text. There may be more than one.

- People started buying more CDs than vinyl:
 - at the beginning of the 1980s.
 - near the end of the 1980s.
 - at the start of the 1990s.
 - in the 2000s.
- Vinyl is popular because:
 - people enjoy looking at vinyl records.
 - it's less expensive than other formats.
 - the process of playing them is pleasant.
 - the quality of the recording is perfect.
- Around \$50 million in vinyl records were sold in:
 1999. b 2003. c 2005. d 2006.
- Downloads first became available in the:
 - 1980s. b 1990s. c 2000s. d 2010s.
- Style is one reason that people especially like:
 - a vinyl. b downloads. c CDs. d cassettes.

3 Look at the pros and cons in the infographic. Answer the questions with "D" for digital streaming and "V" for vinyl.

- Which format is the best for someone who wants to listen to music on their smartphone? _____
- Which format is good if you enjoy the images that come with it? _____
- Which format is the easiest to store? _____
- Which one is the worst choice if you want good quality? _____



Grammar

Making predictions

1 Read the sentence beginnings and endings. Circle the option (a–c) which does not finish each sentence correctly.

- People living on Mars will ...
 - probably going to work very hard.
 - spend a lot of time indoors.
 - have children and grandchildren there.
- Computers are going to ...
 - become faster and smaller.
 - solve problems quickly.
 - doing jobs that people do now.
- Roads might ...
 - have less traffic.
 - probably control the speed of cars.
 - collect power from the sun.
- Fifty years from now, when most cars are electric, ...
 - there may be less air pollution.
 - more electricity is needed.
 - gasoline won't be easy to buy.
- Glasses may not be necessary after ...
 - a better solution will be invented.
 - electronic eyes have been developed.
 - surgery to improve vision has become common.
- In fifty years, I don't think we ...
 - are going to have any gasoline-powered cars on the road.
 - will have stopped playing international soccer.
 - have built a train that goes 1,000 kilometers per hour.

3 Complete the sentences with the correct form of the verbs in parentheses. Add *will* or *going to* if necessary.

- 1 He might finish university by the time he _____ (be) 21 years old.
- 2 After the cold weather _____ (end), they're probably going to plant a vegetable garden.
- 3 As soon as I _____ (get) a job, I will buy a bicycle.
- 4 She _____ (not / leave) her apartment unless she finds a better one.
- 5 When we get home, we _____ (probably / find) a letter from Naomi.
- 6 I think I _____ (feel) really nervous the day before my exam.

4 Circle the correct option to complete each sentence.

- 1 Cities are going to have a lot of green spaces *before / as soon as* tree planting programs begin creating them.
- 2 The average driver will have a flying car, *unless / if* they're so expensive that only a few people can afford one.
- 3 *Unless / By the time* my kids are grown up and have jobs, many people might not have to work in an office anymore.
- 4 The possibility of visiting Mars will be real *once / before* we've started building cities there.
- 5 *When / Unless* computers do more jobs, people will have more free time.
- 6 Most food will be local *before / after* city farms have become common.

Vocabulary

Making predictions

1 Complete the article on language services with the expressions (a–h).

- | | |
|--------------------|-----------------------------|
| a only an estimate | f see a sharp growth |
| b remain unchanged | g continue rising gradually |
| c it's unlikely | h steady drop |
| d is estimated | |
| e look at the data | |

Trends in translation

The global translation services industry

¹ _____ to be worth about \$40 billion today, although that's ² _____. And though translation should continue growing, ³ _____ that the average pay for translators will increase as competition increases.

In fact, according to translator Anthony Teixeira, there has been a ⁴ _____ in average pay for translation services in the past thirty years. Over that time, the use of computers in translation has increased and is expected to ⁵ _____ in the future. However, the need for human translators is also expected to ⁶ _____. Research indicates that the role of human translators has shifted from using computers to assist with translation, to computers performing the translation and people refining it. When we ⁷ _____, one area of the translation business where we ⁸ _____ is video translation—using computers to change online video from one language to another. This type of work has become increasingly important as, currently, about 80% of the world's internet traffic is video.

2 Match the sentences (1–7) with the sentences (a–g) that have a similar meaning.

- 1 It remained unchanged. _____
- 2 It's unlikely. _____
- 3 They estimated the number. _____
- 4 Let's look at the data. _____
- 5 We predict a sharp growth. _____
- 6 It will continue rising gradually. _____
- 7 There will be a steady drop. _____

- a We don't think it will happen.
- b Why don't we check the information?
- c It didn't go up or down.
- d They guessed how many there were.
- e We expect a slow increase.
- f We expect the number to go up quickly.
- g We predict a slow decrease.

Listening

1 **32** Listen to an interview with a translator. Circle the statement which best summarizes the translator's ideas.

- 1 Computers will soon take over translation work from humans.
- 2 Humans and computers will probably continue to work together on translation.
- 3 Humans will use computers to communicate, so translation won't be necessary.

2 **32** Listen again. Complete each sentence with no more than three words.

- 1 _____ often make mistakes when they do translations.
- 2 The word " _____ " is simple, but has many different meanings.
- 3 Translators don't really translate words: they translate _____.
- 4 _____ can help make the meaning of words clearer.

- 5 Computers can't understand an author's _____.

- 6 Translators often _____ a computer translation.

- 7 David believes his job is _____.

3 **33** Listen to excerpts from the interview. Complete the sentences with the fillers you hear.

- 1 _____, computers get it wrong a lot.
- 2 And that's _____ just one simple word.
- 3 _____, the computers do better with words in sentences or paragraphs.
- 4 _____, very often, a computer makes the first translation and then a translator checks and corrects it.
- 5 Working with a computer _____ saves a lot of time, but the computer working alone will never get it right.

Focus On

Talking about data: Prepositions

1 Circle the correct preposition to complete each sentence.

- 1 In recent years, there has been an increase *to / in / by* the number of translators working in the U.S.
- 2 The number of languages in the world will probably decrease from more than 7,000 today *of / to / by* about half that number in 100 years.
- 3 The accuracy of Google Translate improved *of / in / by* about 60% when they upgraded the system in 2016.

- 4 The number of official languages used by the United Nations has increased from two—French and English—in 1946 *of / to / by* six, and now includes Arabic, Chinese, Russian, and Spanish.
- 5 There is now a rise *to / of / by* about 13% per year in the cost of producing computer chips.
- 6 Since 2014, there has been a steady increase *in / to / of* the number of languages in an online library of languages created by two researchers, who hope eventually to record all of the world's thousands of languages.

2 Complete the article with the correct prepositions.

By looking at the language used in more than 5 million books published between 1800 and 2000, researchers from Google and Harvard University have found an increase ¹ _____ 70% in the number of English words since 1950. Currently, the language is growing ² _____ about 8,500 words per year, and the number of English words has doubled, from about 500,000 words ³ _____ more than one million in the past hundred years. The researchers have also discovered many trends, such as a sharp increase ⁴ _____ the use of words adopted by the English language from other languages, such as "pizza" and "pasta," since the 1970s.

Pronunciation

Pronouncing long vowels

1  **3.4** Listen and circle the word you hear.

- | | | |
|---|------|------|
| 1 | hard | had |
| 2 | seat | set |
| 3 | bird | bed |
| 4 | food | foot |
| 5 | walk | woke |