



ARTIFICIAL INTELLIGENCE



Scan to review worksheet

Expemo code:
1DJB-21IL-6CB7

1 Grammar point

The article looks forward to the year 2050 and makes predictions about what *will happen* at some point *before* 2050. Read the following sentences from the article.

- Artificial intelligence **will have helped** many elderly people stay more independent in their homes by 2050
- ...by 2050 scientists **will have managed** to create more lab-grown organs.
- It's possible that by 2050 you **will have appeared** in your own Netflix movie!
- By 2050, AI **will have become** efficient enough to write complex stories.

Now fill in the blanks to create the form of the future perfect tense

Future perfect (affirmative sentences)

1. Subject + will +

How do you make a negative and question in the future perfect?

1. Negative:

2. Question:



How can you form contractions in the affirmative and negative forms?

1. Affirmative: e.g., I will have flown =
2. Negative: e.g., I will not have flown =

By...

The future perfect is often used with a **future time word or phrase**.

- By...
- By this time next week / year / century...
- By the time + present simple...

We use the **future perfect** with a **future time word** to talk about an action that **will finish before a certain time in the future**

- By 10 o'clock, I will have finished my homework. (= I will finish my homework some time before 10, but we don't know exactly when.)

We can use the future perfect simple to say **how much or how many**

- By the time I'm retired, I will have worked in over 50 countries.

Now underline other examples of the future perfect in the article.

Complete the sentences below by putting the verbs in brackets in their correct form

1. By the time the science professor retires, she _____ (teach) over one thousand students.
2. Humans _____ (not / land) on Mars by 2023.
3. You're reading that document so slowly! _____ you _____ (finish) it by lunchtime?
4. I need to replace my smartphone; by this time next week, I _____ (buy) a new one.
5. The IT student is very ambitious. By this time next year, she _____ already _____ (develop) three smartphone applications.
6. If you're back by 5 pm, come and meet us. The movie _____ (not / start) by then.
7. I work for a company that sells cars. By the time I am 30, I _____ (drive) over five hundred cars.
8. It's getting late. _____ we _____ (reach) our destination by the time it gets dark?



Now make sentences in the future perfect to give your opinions about what will and won't have happened by 2050. Compare your answers with your partner and discuss.

You	AI
fly in an autonomous plane	make farming more efficient
be a passenger in an autonomous car	replace TV and presenters
create a custom movie	become more intelligent than humans

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7 Talking point

Discuss the following questions

1. What other things do you think will have happened by 2050? Why?
2. Does increasing our use of technology come with any risks?
3. How do you feel about the introduction of autonomous vehicles? Will they really reduce the number of accidents?
4. Would you feel comfortable with AI collecting personal data about elderly family members in order to help them (as described in the article)? Why / why not?
5. Think about what you like and don't like to see in movies. What kind of customized film would you create?

8 Follow up task / homework

Choose one of the subjects discussed in the article (or another subject that interests you). Write a short blog post (max. 300 words) on the subject, giving your predictions about how AI will develop this area in the next thirty years.