

Malaria and GM mosquitoes

A When you listen to a lecture, you will hear many new words. It is important to develop strategies to record these words so that you can ask about or check them later.

Work with your partner to guess the missing words in the sentences. Follow these steps:

- Use your knowledge of grammar as well as context clues to help you.
 - Try to think about what the meaning of each missing word might be.
 - Then listen and complete the missing words.
- 1 Scientists are trying to malaria.
 - 2 Releasing genetically modified mosquitoes into the wild is
 - 3 The strategy would require the release of tens of thousands of GM organisms into the wild.
 - 4 Plans to release GM mosquitoes into the wild have previously been because researchers feared that the insects were too weak.
 - 5 Scientists were afraid that adding the resistance genes would weaken the insects.
 - 6 To eliminate malaria successfully, the malaria-resistant insects must breed and become in the wild.
 - 7 The result of the experiment was as welcome proof that GM mosquitoes could reduce the spread of malaria.
 - 8 When they reproduce, the GM mosquitoes spread the gene which resistance.

B Match the missing words in Exercise A to the definitions below.

- a praised a person or achievement
- b never having happened or existed in the past
- c stronger than others of the same type
- d to get rid of completely
- e gives
- f extremely important or necessary
- g causing or likely to cause disagreement
- h prevented someone from doing something easily

C Listen to a science broadcast about genetically modified mosquitoes. How will GM mosquitoes eliminate malaria?

.....

.....

D Listen again. Are these statements true or false? Correct any false information as you listen.

- 1 It will take a long time for GM mosquitoes to establish themselves in the wild.
- 2 Malaria kills 300 million people a year, mostly children in sub-Saharan Africa.
- 3 Previously, it was feared that the mosquitoes that were genetically modified by adding the resistance genes were not strong enough to survive in the wild.
- 4 The gene given to GM mosquitoes destroys the parasite that causes malaria.
- 5 Over nine generations, almost three-quarters of the mosquitoes were genetically modified.
- 6 Even if GM mosquitoes are successfully introduced in the wild, it will still be necessary to use insecticides.