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**Level 0 – 2nd December, 2021**

## **Scientists create living robots that can have babies**

**FREE online quizzes, mp3 listening and more for this lesson here:**

<https://breakingnewsenglish.com/2112/211202-xenobots-0.html>

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**Please try Levels 1, 2 and 3. They are (a little) harder.**

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# THE READING

From <https://breakingnewsenglish.com/2112/211202-xenobots-0.html>

A new robot can create baby robots. It's like science fiction. In 2020, scientists made the world's first "living" robot. It came from stem cells of an African frog. The new "xenobots" are less than one millimetre wide. They work in groups, and repair themselves. They don't look like robots. They are a machine-animal hybrid.

Researchers created a C-shaped robot. The inside of the "C" is the xenobot's mouth. It collects cells in its mouth and these become baby xenobots. This new technology could change our lives. They could repair our body and clean up plastic in the oceans. There are many benefits, but people are worried the robots can have babies.

Sources: <https://edition.cnn.com/2021/11/29/americas/xenobots-self-replicating-robots-scn/index.html>  
<https://inews.co.uk/news/scientists-create-worlds-first-reproductive-robots-1325805>  
<https://www.gizmodo.com.au/2021/11/xenobots-reproduce/>

# PHRASE MATCHING

From <https://breakingnewsenglish.com/2112/211202-xenobots-0.html>

## PARAGRAPH ONE:

- |                                      |                   |
|--------------------------------------|-------------------|
| 1. It's like science                 | a. groups         |
| 2. scientists made the world's first | b. cells          |
| 3. It came from stem                 | c. animal hybrid  |
| 4. an African                        | d. "living" robot |
| 5. less than one millimetre          | e. fiction        |
| 6. They work in                      | f. like robots    |
| 7. They don't look                   | g. wide           |
| 8. They are a machine-               | h. frog           |

## PARAGRAPH TWO:

- |                                 |                       |
|---------------------------------|-----------------------|
| 1. Researchers created a C-     | a. xenobots           |
| 2. The inside                   | b. people are worried |
| 3. It collects cells in         | c. of the "C"         |
| 4. these become baby            | d. body               |
| 5. This new technology could    | e. shaped robot       |
| 6. They could repair our        | f. the oceans         |
| 7. clean up plastic in          | g. its mouth          |
| 8. There are many benefits, but | h. change our lives   |

# LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2112/211202-xenobots-0.html>

A (1) \_\_\_\_\_ create baby robots. It's  
(2) \_\_\_\_\_. In 2020, scientists made the world's  
(3) \_\_\_\_\_. It came from stem cells of an African  
frog. The new "xenobots" are (4) \_\_\_\_\_  
millimetre wide. They (5) \_\_\_\_\_, and repair  
themselves. They don't look like robots. They are a  
(6) \_\_\_\_\_.

Researchers created (7) \_\_\_\_\_. The inside of  
the "C" is (8) \_\_\_\_\_. It collects cells in its mouth  
and (9) \_\_\_\_\_ xenobots. This new technology  
could (10) \_\_\_\_\_. They could repair our body and  
(11) \_\_\_\_\_ in the oceans. There are many  
benefits, but (12) \_\_\_\_\_ the robots can have  
babies.

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2112/211202-xenobots-0.html>

Anewrobotcancreatebabyrobots.It'slikesciencefiction.In2020,scientistsmadetheworld'sfirst"living"robot.ItcamefromstemcellsofanAfricanfrog.Thenew"xenobots"arelessthanonemillimetrewide.Theyworkingroups,andrepairthemselves.Theydon'tlooklikerobots.Theyareamachine-animalhybrid.ResearcherscreatedaC-shapedrobot.Theinsideofthe"C"isthexenobot'smouth.Itcollectscellsinit'smouthandthesebecomebabyxenobots.Thisnewtechnologycouldchangeourlives.Theycouldrepairourbodyandcleanupplasticintheoceans.Therearemanybenefits,butpeopleareworriedtherobots canh ave babies.

# XENOBOTS SURVEY

From <https://breakingnewsenglish.com/2112/211202-xenobots-0.html>

Write five GOOD questions about xenobots in the table. Do this in pairs. Each student must write the questions on his / her own paper.  
When you have finished, interview other students. Write down their answers.

	STUDENT 1 _____	STUDENT 2 _____	STUDENT 3 _____
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

## WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

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## WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

