

# www.**Breaking News English**.com

Ready-to-Use English Lessons by Sean Banville

**"1,000 IDEAS & ACTIVITIES  
FOR LANGUAGE TEACHERS"**

[www.breakingnewsenglish.com/book.html](http://www.breakingnewsenglish.com/book.html)

**Thousands more free lessons  
from Sean's other websites**

[www.freeeslmaterials.com/sean\\_banville\\_lessons.html](http://www.freeeslmaterials.com/sean_banville_lessons.html)

## **Level 4**

### **Nano-chip may heal organs with one touch**

**10th August, 2017**

<http://www.breakingnewsenglish.com/1708/170810-body-repair-4.html>

## **Contents**

The Reading	2
Phrase Matching	3
Listening Gap Fill	4
No Spaces	5
Survey	6
Writing and Speaking	7
Writing	8

**Please try Levels 5 and 6. They are (a little) harder.**

**Twitter**



[twitter.com/SeanBanville](https://twitter.com/SeanBanville)

**Facebook**



[www.facebook.com/pages/BreakingNewsEnglish/155625444452176](https://www.facebook.com/pages/BreakingNewsEnglish/155625444452176)

**Google +**



<https://plus.google.com/+SeanBanville>

# THE READING

From <http://www.breakingnewsenglish.com/1708/170810-body-repair-4.html>

Medical science fiction is coming true. A scientific "breakthrough" has successfully repaired cells and organs in mice. Researchers developed a tiny device that is full of nanochips. The device is put on the skin and starts repairing organs and healing wounds. The nanochips "reprogramme" damaged cells to restore them to a functioning state. A researcher said the device can, "convert skin cells into elements of any organ with just one touch".

The technology is called tissue nano-transfection (TNT). Doctors do not have to cut the body. The device is put over a damaged area of the body. It injects DNA into the skin. This changes the cells into building blocks, which repair damaged tissue, such as skin, arteries, and organs like the heart or even the brain. It could replace reconstructive surgery. It could also repair aging organs. Testing will begin on humans next year.

Sources: <http://www.telegraph.co.uk/science/2017/08/07/penny-sized-nanochip-pad-regrow-organs-heal-injuries/>  
<https://www.news-medical.net/news/20170807/Nanotechnology-wonders-Organ-healing-with-a-single-touch!.aspx>  
<http://www.medicalnewstoday.com/articles/318841.php>

# PHRASE MATCHING

From <http://www.breakingnewsenglish.com/1708/170810-body-repair-4.html>

## PARAGRAPH ONE:

- |                                     |                   |
|-------------------------------------|-------------------|
| 1. science                          | a. true           |
| 2. coming                           | b. healing wounds |
| 3. A scientific                     | c. organs in mice |
| 4. repaired cells and               | d. on the skin    |
| 5. developed a tiny                 | e. fiction        |
| 6. The device is put                | f. of any organ   |
| 7. repairing organs and             | g. "breakthrough" |
| 8. convert skin cells into elements | h. device         |

## PARAGRAPH TWO:

- |                                    |                         |
|------------------------------------|-------------------------|
| 1. The technology is called tissue | a. tissue               |
| 2. Doctors do not have to          | b. into the skin        |
| 3. put over a damaged              | c. organs               |
| 4. It injects DNA                  | d. area of the body     |
| 5. This changes the cells          | e. surgery              |
| 6. repair damaged                  | f. nano-transfection    |
| 7. It could replace reconstructive | g. into building blocks |
| 8. It could also repair aging      | h. cut the body         |

# LISTEN AND FILL IN THE GAPS

From <http://www.breakingnewsenglish.com/1708/170810-body-repair-4.html>

Medical science (1) \_\_\_\_\_ true. A scientific "breakthrough" has successfully repaired (2) \_\_\_\_\_ in mice. Researchers developed a tiny device (3) \_\_\_\_\_ nanochips. The device is put on the skin and starts (4) \_\_\_\_\_ healing wounds. The nanochips "reprogramme" damaged (5) \_\_\_\_\_ them to a functioning state. A researcher said the device can, "convert skin cells into (6) \_\_\_\_\_ organ with just one touch".

The technology (7) \_\_\_\_\_ nano-transfection (TNT). Doctors do not have to cut the body. The device (8) \_\_\_\_\_ damaged area of the body. It injects (9) \_\_\_\_\_ skin. This changes the cells into building blocks, which repair (10) \_\_\_\_\_, such as skin, arteries, (11) \_\_\_\_\_ the heart or even the brain. It could replace reconstructive surgery. It (12) \_\_\_\_\_ aging organs.

Testing will begin on humans next year.

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <http://www.breakingnewsenglish.com/1708/170810-body-repair-4.html>

Medical science fiction is coming true. A scientific "breakthrough" has successfully repaired cells and organs in mice. Researchers developed a tiny device that is full of nano-chips. The device is put on the skin and starts repairing organs and healing wounds. The nano-chips "reprogramme" damaged cells to restore them to a functioning state. A researcher said the device can, "convert skin cells into elements of any organ with just one touch". The technology is called tissue nano-transfection (TNT). Doctors do not have to cut the body. The device is put over a damaged area of the body. It injects DNA into the skin. This changes the cells into building blocks, which repair damaged tissue, such as skin, arteries, and organs like the heart and the brain. It could replace reconstructive surgery. It could also repair aging organs. Testing will begin on humans next year.

# REPAIRING THE BODY SURVEY

From <http://www.breakingnewsenglish.com/1708/170810-body-repair-4.html>

Write five GOOD questions about repairing the body 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) \_\_\_\_\_

*Nano-chip may heal organs with one touch – 10th August, 2017*  
More free lessons at [www.BreakingNewsEnglish.com](http://www.BreakingNewsEnglish.com)

---

## WRITE QUESTIONS & ASK YOUR PARTNER(S)

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

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

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

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

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

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

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

