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**Level 2 – 25th November, 2020**

## Scientists say they can reverse aging process

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<https://breakingnewsenglish.com/2011/201125-ageing-process-2.html>

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Please try Levels 0, 1 and 3. They are (a little) harder.

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# THE READING

From <https://breakingnewsenglish.com/2011/201125-ageing-process-2.html>

Scientists have conducted tests to try to stop and reverse the ageing process. The tests were part of a joint project by Israeli universities. The researchers said the science was very simple - they used oxygen to slow down what happens to cells as they age. They used the oxygen on cells in a pressure chamber. The scientists said two processes related to ageing and illnesses slowed down. The scientists did tests on 35 adults over the age of 64 for 90 minutes a day, five times a week for three months. The study is published in the magazine "Ageing".

A professor explained how important the research is. He says the study shows that the ageing process can be reversed at the cell level. He says we may be able to stop cells from shortening. The shorter cells become, the more we age. If we can stop them getting shorter, cells will not age. The professor said: "Shortening is considered the 'Holy Grail' of the biology of ageing." Researchers are trying to develop drugs to make cells longer. The professor added: "The study gives hope, and opens the door for a lot of young scientists to target ageing as a reversible disease."

Sources: <https://www.aljazeera.com/news/2020/11/22/israeli-scientists-claim-new-study-reverses-aging-process>  
<https://www.timesofisrael.com/israeli-scientists-claim-to-reverse-aging-in-blood-cells-with-pressure-chamber/>  
<https://metro.co.uk/2020/11/21/scientists-reverse-effects-of-ageing-with-groundbreaking-treatment-13631999/>

# PHRASE MATCHING

From <https://breakingnewsenglish.com/2011/201125-ageing-process-2.html>

## PARAGRAPH ONE:

- |                                    |                    |
|------------------------------------|--------------------|
| 1. Scientists have conducted       | a. to ageing       |
| 2. The tests were part of a        | b. three months    |
| 3. slow down what happens to cells | c. tests           |
| 4. in a pressure                   | d. in the magazine |
| 5. two processes related           | e. chamber         |
| 6. The scientists did tests        | f. as they age     |
| 7. five times a week for           | g. on 35 adults    |
| 8. The study is published          | h. joint project   |

## PARAGRAPH TWO:

- |  |                        |
|--|------------------------|
| 1. A professor explained how important | a. level               |
| 2. the ageing process can              | b. disease             |
| 3. at the cell                         | c. the research is     |
| 4. we may be able to stop cells        | d. hope                |
| 5. Researchers are trying              | e. of young scientists |
| 6. The study gives                     | f. from shortening     |
| 7. opens the door for a lot            | g. to develop drugs    |
| 8. a reversible                        | h. be reversed         |

# LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2011/201125-ageing-process-2.html>

Scientists have conducted (1) \_\_\_\_\_ to stop and reverse the ageing process. The tests were part (2) \_\_\_\_\_ project by Israeli universities. The researchers said the science (3) \_\_\_\_\_ - they used oxygen to slow down what happens to cells as they age. They used the oxygen on cells in (4) \_\_\_\_\_. The scientists said two processes related to ageing and illnesses slowed down. The scientists did tests on 35 (5) \_\_\_\_\_ age of 64 for 90 minutes a day, five times a week for three months. The study is published (6) \_\_\_\_\_ "Ageing".

A professor explained how (7) \_\_\_\_\_ is. He says the study shows that the ageing process (8) \_\_\_\_\_ at the cell level. He says we may be able to stop cells from shortening. The shorter cells become, the (9) \_\_\_\_\_. If we can stop them getting shorter, cells will not age. The professor said: "Shortening is considered the 'Holy Grail' of the (10) \_\_\_\_\_." Researchers are trying to develop drugs to (11) \_\_\_\_\_. The professor added: "The study gives hope, and opens the door for a lot of young scientists (12) \_\_\_\_\_ as a reversible disease."

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2011/201125-ageing-process-2.html>

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# AGEING SURVEY

From <https://breakingnewsenglish.com/2011/201125-ageing-process-2.html>

Write five GOOD questions about ageing 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) \_\_\_\_\_

*Scientists say they can reverse aging process – 25th November, 2020*  
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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) \_\_\_\_\_

