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Level 5 – 10th January, 2021

Identical twins are not so identical

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

<https://breakingnewsenglish.com/2101/210110-identical-twins-5.html>

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Please try Levels 4 and 6. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2101/210110-identical-twins-5.html>

A study shows that while identical twins can look alike, they are not clones of each other. Scientists analyzed the DNA from 387 pairs of identical twins. These are people born from a single fertilized egg. The scientists looked for mutations in the early stages of development. A mutation is a tiny change in the sequence of the DNA. This can occur when a cell divides. This change causes a slight difference in the DNA when it duplicates. A tiny change can create differences in height, intelligence, eye colour and even in how easily someone can catch a disease.

The study shows that in about 15 per cent of identical twins, one twin carried a "substantial" number of mutations that the other did not have. This difference is important as it sheds light on the "nature versus nurture" debate. This is whether human behaviour is caused by socializing and upbringing, or by a person's genes. The research shows that this tiny difference, and not environmental factors, could be the reason for different behavioural characteristics or medical conditions. A professor said a genetic mutation may be the source of a disease or trait.

Sources: <https://www.theguardian.com/science/2021/jan/08/identical-twins-are-not-so-identical-study-suggests>
https://www.huffpost.com/entry/twins-not-perfect-clones-study_n_5ff785b2c5b6fc79f463c60c
<https://www.livescience.com/identical-twins-dont-share-all-dna.html>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2101/210110-identical-twins-5.html>

PARAGRAPH ONE:

- | | |
|-------------------------------------|-----------------------|
| 1. they are not clones | a. when it duplicates |
| 2. a single fertilized | b. the sequence |
| 3. mutations in the early stages of | c. catch a disease |
| 4. A mutation is a tiny change in | d. egg |
| 5. This can occur when | e. in height |
| 6. a slight difference in the DNA | f. development |
| 7. create differences | g. a cell divides |
| 8. how easily someone can | h. of each other |

PARAGRAPH TWO:

- | | |
|--|--------------------------|
| 1. in about 15 per cent | a. caused by socializing |
| 2. it sheds light on the nature versus | b. of identical twins |
| 3. whether human behaviour is | c. difference |
| 4. by a person's | d. of a disease or trait |
| 5. this tiny | e. factors |
| 6. environmental | f. conditions |
| 7. medical | g. nurture debate |
| 8. the source | h. genes |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2101/210110-identical-twins-5.html>

A study shows that while identical twins (1) _____, they are not clones of each other. Scientists analyzed the DNA from (2) _____ identical twins. These are people born from a single fertilized egg. The scientists (3) _____ in the early stages of development. A mutation is a tiny change in (4) _____ the DNA. This can occur when a cell divides. This change causes a slight difference in the DNA (5) _____. A tiny change can create differences in height, intelligence, eye colour and even in how easily someone can (6) _____.

The study shows (7) _____ 15 per cent of identical twins, one twin carried a "substantial" (8) _____ that the other did not have. This difference is important as it sheds light on the "(9) _____" debate. This is whether human behaviour is caused by socializing and upbringing, or by a person's genes. The research (10) _____ tiny difference, and not environmental factors, could be (11) _____ different behavioural characteristics or medical conditions. A professor said a genetic mutation may be the source of a (12) _____.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2101/210110-identical-twins-5.html>

A study shows that while identical twins can look alike, they are not clones of each other. Scientists analyzed the DNA from 387 pairs of identical twins. These are people born from a single fertilized egg. The scientists looked for mutations in the early stages of development. A mutation is a tiny change in the sequence of the DNA. This can occur when a cell divides. This change causes a slight difference in the DNA when it duplicates. A tiny change can create differences in height, intelligence, eye colour and even in how easily someone can catch a disease. The study shows that in about 15 percent of identical twins, one twin carried a "substantial" number of mutations that the other did not have. This difference is important as it sheds light on the "nature versus nurture" debate. This is whether human behaviour is caused by socializing and upbringing, or by a person's genes. The research shows that this tiny difference, and not environmental factors, could be the reason for different behavioural characteristics or medical conditions. A professor said a genetic mutation may be the source of a disease or trait.

IDENTICAL TWINS SURVEY

From <https://breakingnewsenglish.com/2101/210110-identical-twins-4.html>

Write five GOOD questions about identical twins 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) _____

