

October 5, 2018

英 語 A English A

(60分間)

Time limit: 60 minutes

注 意

1. 問題紙は指示があるまで開いてはいけません。
2. 問題紙は表紙を含めて5枚です。
3. 問題紙は持ち帰ってください。

Notice:

1. Do not open this cover until you have been instructed to by a proctor.
2. The question sheet consists of 5 pages including this cover.
3. You must bring the question sheet back when you are finished.

Read the following article and answer the questions below.

(この部分につきましては、著作権の関係により、公開しません。)

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(Adapted from Nature 526: 642–643, 2015)

Notes

CRISPR/Cas9^{※1}: a name of genome-editing technology

ENU^{※2}: *N*-ethyl-*N*-nitrosourea, a highly potent mutagen

Figure

(この部分につきましては、著作権の関係により、公開しません。)

Q1. Which of the following titles is likely to be fitted to the article?

- A, Newly made mitochondrial DNA drives inflammation.
- B, Elusive mitochondrial connection to inflammation uncovered.
- C, Brain inflammatory cascade controlled by gut-derived molecules.
- D, Inappropriate cellular inflammation can cause disease.
- E, Caspase target drives pyroptosis.

Q2. Which word best fills in the blanks (1) and (2) of the text? Put a circle around the word you choose.

Q3. Fill in the blanks (A) and (B) of the Figure with suitable words.

Q4. Summarize the main points of this article in either Japanese for Japanese examinee or English for foreign examinee.

ANSWER SHEET FOR ENGLISH A

Examinee's number

Q 1

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Q 2

1	N-terminal / C-terminal	2	N-terminal / C-terminal
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Q 3

A		B	
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Q 4

[illegible]