

October 13, 2015

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3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 3 pages not 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。)

(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。)

(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。)

(Adapted from Nature 522: 41-42, 2015)

Q1: Select the most adequate words for the space (A)-(E) from the ones given below.
Each word should be used only once.

seeds, hostile, niche, hospitable, soil

Q2: Sort the following words and phrases, and make a correct sentence.

is, in patients, by hypoxic breast cancer cells, why, linked with,
the secretion of LOX, predominantly, bone relapse

Q3: Explain a role of lysyl oxidase (LOX) in extracellular matrix according to the contents of this article.

Q4: Explain a favourable environment for bone metastasis of disseminated breast cancer cells according to the contents of this article.

Q5: What kind of drug helps prevention of bone metastasis? Explain this according to the contents of this article.