

Lesson 5 精読プリント③ (ノートの左頁に貼り、右頁に解答する)

A project to transform Mars into a planet like Earth (1) has just begun. This project is called "terraforming." If it (2) works, human beings will be able to live on Mars.

(3) The South Pole of Mars has a huge area of dry ice made of CO₂. Some scientists believe that it is possible to raise the temperature ((4)) 20 5 degrees by creating a "greenhouse" effect. They would use PFC made from materials found on Mars. (5) As temperatures rise, the dry ice will melt and CO₂ will come out into the atmosphere, where it will work ((6)) a "greenhouse" gas and heat up the atmosphere even further.

(7) Scientists think that there were once vast seas on Mars and that the 10 water still lies in the frozen ground. ((8)) several hundred years, as the temperature rises, the ice in the ground will melt and water will cover the surface of the planet.

This water will vaporize to form clouds, and the clouds will produce 15 rain. The rain will wash out the red dust in the air, and the color of the sky will (9) turn from pink to blue. By planting plankton and ((10)) forests, we will be able to produce (11) the oxygen that living things, including humans, need.

1. 下線部(1)の主語を本文中より1語で抜き出さない。
2. 下線部(2)を次のように言い換えるとき、空所を埋めるのに最も適切な、
's' で始まる英語1語を答えなさい。
is ()
3. 下線部(3)を和訳しなさい。
4. 空所(4)を埋めるのに最も適切な前置詞を次から1つ選びなさい。
after for in by
5. 下線部(5)と同じ意味で as が使われている例文を次から1つ選びなさい。
ア As a professional biwa-hoshi, he became famous.
イ As he can't drive, Jim must go by bus.
ウ As we grow older, our vision becomes weaker.
エ As you know, I'm leaving tomorrow.
6. 空所(6)を埋めるのに最も適切な前置詞を次から1つ選びなさい。
of as by into
7. 下線部(7)が考えている内容を、本文に即して具体的に日本語で答えなさい。
8. 空所(8)を埋めるのに最も適切な前置詞を次から1つ選びなさい。
at from on over
9. 下線部(9)と置き換えられる、'c' で始まる動詞を答えなさい。
10. 動詞 create を適切な語形にして空所(10)を埋めなさい。
11. 下線部(11)を和訳しなさい。

Lesson 5 精読プリント④ (ノートの左頁に貼り、右頁に解答する)

Should we try to build space colonies?

(1) Stephen Hawking, the famous scientist, believes that humans will
() died out by the year 3000 due to global warming. The only way 5
out, he believes, is to leave Earth.

Robert Zubrin, the head of a project to transform Mars into an 5
environment where people can live, says: "The human race was born in
Africa. Now we live all over our world. (2) I think that one day we will travel
among the planets, spreading the seeds of life."

There are other people, however, who claim we should do the best we 10
can to save Earth by working to solve Earth's environmental problems 10
before trying to make space colonies. ((3)), we are now facing many
problems such as air pollution, global warming, and overpopulation. We
need to solve (4) these problems if we want to continue living on Earth.

In the 21st century, the great journey into the universe has just begun. 15
(5) Whether or not we build a colony in space, we have much to learn from 15
the universe. The door to the unknown world is just beginning to open in
front of us.

1. 下線部(1)について、まず、空所を最も適切な英語1語で埋めなさい。次に、
全体を和訳しなさい。
2. 下線部(2)を和訳しなさい。
3. 空所(3)を埋めるのに最も適切な語句を次から1つ選びなさい。
In fact In contrast In addition
4. 下線部(4)の内容を、本文に即して具体的に日本語で答えなさい。
5. 下線部(5)を和訳しなさい。
6. 21st をスペルアウトしなさい。
7. Robert Zubrin 氏の役職を、本文に即して具体的に日本語で答えなさい。