

第 四 問 留学生のエマ(Emma)と、理科の佐藤先生が次のような会話をしています。この英文を読んで、あとの1～7の問いに答えなさい。

Emma: I'm interested in migratory birds. Mr. Sato, could you tell me about them?
Mr. Sato: Sure. What do you want to know?
Emma: How far and how high do migratory birds fly?
Mr. Sato: There is a kind of bird that flies between two areas, the Arctic Circle and the Antarctic Circle, every year. And I know there are birds that fly over the highest mountain in the world.
Emma: That's great! Why do they migrate?
Mr. Sato: Scientists haven't found perfect reasons yet.
Emma: I see. How do the birds know the direction?
Mr. Sato: Scientists have been interested in it, too. They have found some ways. For example, migratory birds look at stars and the sun during migrating. They also feel geomagnetism or the winds of each season, hear sounds, and so on.
Emma: Wow! Birds migrate with such ways. Thinking about ① that makes me excited! Their trip will be wonderful.
Mr. Sato: Yes, it is. But they sometimes meet storms on the sea or bigger birds. There is a lot of danger on their trip.
Emma: Oh, they may lose their lives. Now I know their trip
Mr. Sato: Emma, there is another problem that makes their trip difficult. Let's think about it. Do you know wild geese?
Emma: Yes. There were so many wild geese flying in the sky yesterday.
Mr. Sato: We can see many wild geese in the lake near our school and the places around it. And the number of wild geese coming to this area is increasing.
Emma: I know that area. It's a good one for them.
Mr. Sato: Right. But that's not the only reason. Many wild geese come to this area to rest and get enough food or water because they can't get things they need in other places. There were many good places before. But they are losing these places because there are environmental changes. And the same kinds of environmental changes may take this important area near our school from the wild geese someday.
Emma: Oh, I've never heard of that. I worry about them. I want birds to fly without worrying about such things because they already have enough (②).
Mr. Sato: I agree, but it's difficult. For example, we need to use farm chemicals for our lives. But sometimes such things we need at the same time. And these changes won't give good lives to birds or to people. So keeping fair priorities is very important.
Emma: I understand. We must think about it and keep nature forever.

<注> migratory bird(s) 渡り鳥 the Arctic Circle 北極圏 the Antarctic Circle 南極圏
migrate 渡る found ← find direction 方向 way(s) 方法
geomagnetism 地球磁気 wild geese 雁(鳥の一種, 複数形)
number 数 increase 増える fair 公正な priorities ← priority

1 本文中の の中に、次の a～c の3つの文を入れるとき、それらを並べる順番として最も適切なものを、あとのア～カから1つ選び、記号で答えなさい。

- | | |
|---|--|
| a | For example, some birds come to Japan in spring to get their food and food for their baby birds. |
| b | Then they fly to warmer places in fall because they can't get enough food in Japan. |
| c | But they say getting food is one of the important purposes to fly to other places. |

ア a - b - c イ a - c - b ウ b - a - c

エ b - c - a オ c - a - b カ c - b - a

2 下線部①について、thatが示す内容を、具体的に日本語で説明しなさい。

3 本文中の の中に、本文の内容をふまえて3語以上の英語を書き、英文を完成させなさい。

4 本文中の (②) に入る適切な英語を1語書きなさい。

5 本文中の の中に、本文の内容をふまえて3語以上の英語を書き、英文を完成させなさい。

6 次の(1)、(2)の質問に対する答えを、本文の内容に合うように英語で書きなさい。

(1) How is the area near Emma's school used by wild geese?

(2) Why does Emma worry about the wild geese near her school?

7 次の英文について、あなたの考えを、3文程度の英語で書きなさい。

Write about nature that you want to keep forever. Why do you think so?
