

1 次は、大阪に住む高校生の正雄(Masao)が英語の授業で行ったスピーチの原稿です。英文を読んで、あとの問いに答えなさい。

Hello, everyone. Today, I'd like to talk about water. The earth is called "the water planet". I hear that there is about 1,400,000,000 km³ of water on the earth. Look at Graph 1. About 97.5% of the water on the earth is seawater, and about 2.5% is fresh water. But, more than half of the fresh water is in glaciers and the like. And, about 0.8% is groundwater, water in rivers, lakes and the like. It's not easy to use groundwater. (a) But, it is about only 0.01% of all the water on the earth. Many of us don't think about this when we use water.

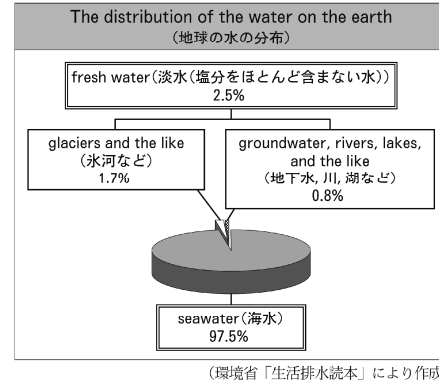
(a) Where does water we use come from? In Osaka, rivers give us a lot of water. Have you ever thought about the water in rivers? You know there is a river near our school. Do you know that we can see fish in the river? When I talked with my father about that, he said, "I didn't see fish in the river when I was a child because the water in the river was dirty." When I heard that, I thought that the water in the river is becoming clean. And, I wanted to know about water quality in rivers.

(b) And, I found an indicator to show water quality. It is called BOD. A higher BOD means that the water is dirtier. The BOD in some very clean rivers in Japan is about 0.5 mg/L. Look at Graph 2. This shows the changes in the BOD in four rivers in Osaka during these fifteen years. In 1995, the Yamato River had the highest BOD of the four rivers, and the BOD in the Neya River was about 9.5 mg/L. But the BOD in these two rivers became about 2.5 mg/L in 2010. In 2010, the BOD in the Kanzaki River was a little higher than the BOD in the Yodo River, but the BOD in these two rivers was under 2.0 mg/L. I learned that these four rivers are becoming clean because local governments and people living near them are doing a lot of things.

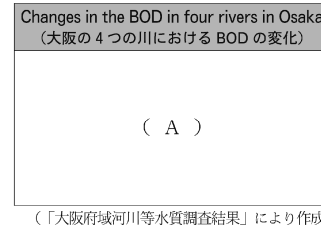
(c) There are many activities to make rivers clean. For example, I found an interesting activity for taking care of *yoshi*, a kind of plant. *Yoshi* is useful to make water in rivers clean, and there are fish and birds that need *yoshi* to live in or around rivers. To grow new *yoshi*, people cut old *yoshi* in winter. I didn't know about this activity. I want to join this activity next time. There are also activities to make people interested in rivers. I have joined one of those activities. I watched fish, birds, and insects that live in or around rivers. And now, I think more about the water in rivers. I think people become more interested in the water in rivers if they know about fish, birds, and insects in or around rivers. And they may try to make rivers clean.

We need water, of course. (2) And, there is only a little water we can use on the earth. To keep water clean or to save water, there are things we can do at home. For example, I (3). Let's start doing the things we can do. Thank you.

【Graph 1】



【Graph 2】



ヨシを刈る人々の写真

(注) planet 惑星 graph グラフ half 半分
 ~ and the like ~など dirty 汚れた clean きれいな
 water quality 水質 indicator 指標
 BOD Biochemical Oxygen Demand (生物化学的酸素要求量) の略称
 local government 地方自治体 plant 植物 under ~ ~未満
 insect 昆虫 keep ~ clean ~をきれいに保つ grow 育てる
 save 節約する

(1) 本文中の (1) が、「比較的に使いやすい水は、川や湖などの水です。」という内容になるように、次の () 内の語を並べかえて解答欄の _____ に英語を書き入れ、英文を完成しなさい。

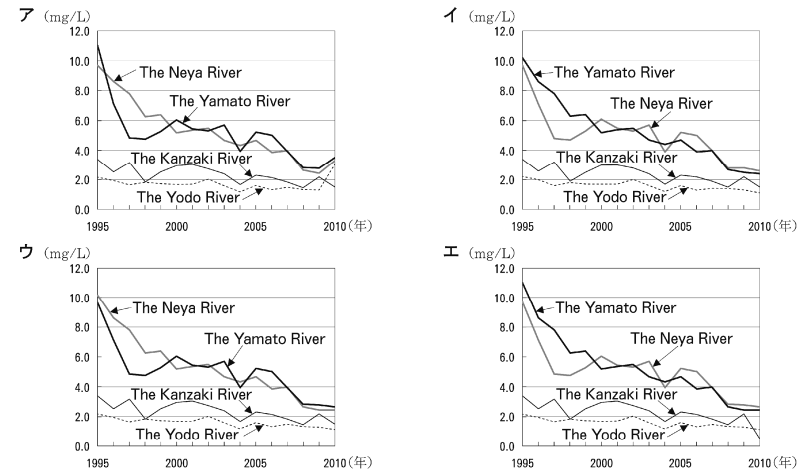
The (ways we easier in water use is can) water in rivers, lakes, and the like.

(2) 本文の内容から考えて、次のうち、本文中の (a) ~ (c) に入れるのに最も適している英語はそれぞれどれですか。一つずつ選び、記号を書きなさい。

- ア I'll tell you some things people do for rivers.
- イ Now, let's think about water we use every day.
- ウ This means that there is nothing people can do for rivers.
- エ I looked for the ways to know about water quality in rivers.
- オ The water quality of the river near our school has become bad.

(3) 本文中には、正雄の学校の近くの川について正雄の父が言ったことが述べられています。その内容を日本語で書きなさい。

(4) Graph 2 の (A) にはグラフが入ります。本文の内容から考えて、次のうち、(A) に入るグラフに当たるものとして最も適しているものはどれですか。一つ選び、記号を書きなさい。



(5) 本文中の (2) が、「地球上の生き物すべてが水を必要としているということ、私たちが覚えておくことも大切です。」という内容になるように、英語で書きなさい。

(6) 本文中の 'For example, I (3) .' で、正雄は自分が家でしていることを、一つの例として述べています。あなたならどのようなことをしようと考えますか。その内容を、前後の英語とつながるように、解答欄の For example, I のあとに10語程度の英語で書き入れ、英文を完成しなさい。

(7) 次のうち、本文で述べられている内容と合うものはどれですか。二つ選び、記号を書きなさい。

- ア More than half of all the water on the earth is groundwater and the like, and it is difficult to use it as fresh water.
- イ Masao talked about the BOD in the river near his school when he talked with his father about fish in the river.
- ウ Masao learned that people cut old *yoshi* in winter to grow new *yoshi*, and he thinks the activity is interesting.
- エ Masao has never joined an activity to watch fish, birds, and insects that live in or around rivers, so he wants to join it next time.
- オ Masao thinks that to know about fish, birds, and insects that live in or around rivers makes people more interested in the water in rivers.