



次の文章は、中学生の雅夫 (Masao) が、アメリカの友人のボブ (Bob) あてに書いた手紙です。この手紙の文章と手紙に同封されたグラフ (Graph A, B) を読んで、あとの問いに答えなさい。 507120204

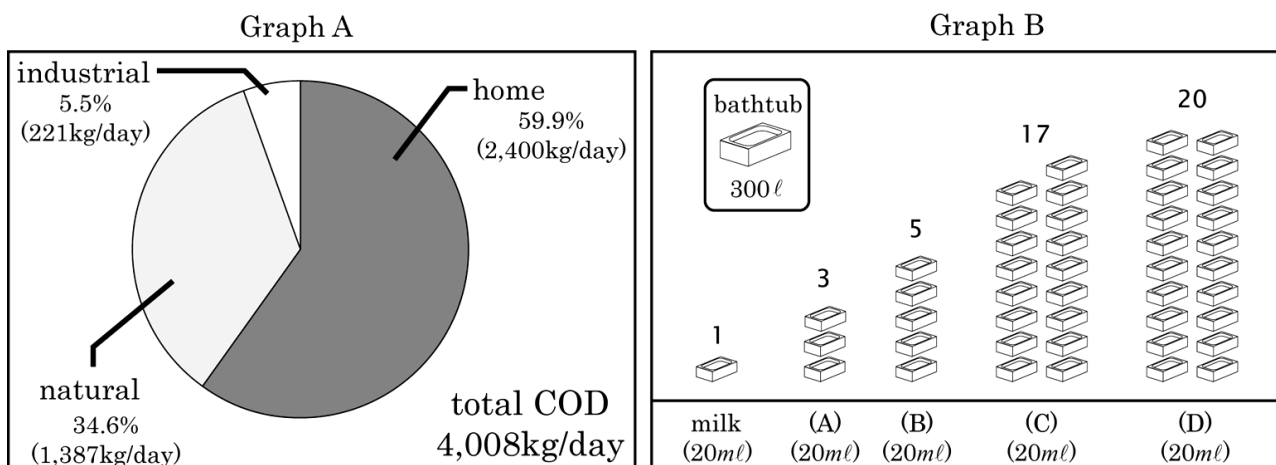
Dear Bob,

Thank you for your letter. Your report about water pollution was very interesting. I'm also interested in the problem of water pollution. I'd like to tell you about a small lake in my city. The water of the lake was very clean about 30 years ago. There were a lot of fish, and children could swim in the lake. But people stopped swimming there about 20 years ago because it was polluted.

Now, the lake is still polluted and I want to make the lake clean again. But how? One day, I went to the city library and found two graphs. Look at Graph A. We use "COD" to measure the degree of water pollution. A large COD means that there is much pollution in the water. A small COD means that the water is not so polluted. Graph A shows that there are three sources of water pollution in the lake in my city: home, natural, and industrial waste. From this graph, I found ( ① ) waste had the biggest influence of the three on total water pollution in the lake.

Next, I'd like to tell you about five different wastes: mayonnaise, milk, shampoo, soy sauce, and used cooking oil. They are used and drained in homes every day, so I studied about them. Please look at Graph B. It shows that  20ml of milk needs 1 bathtub of water to make it clean enough for fish to live in. That's 300 l of water. I think that's a lot of water! 20 ml of soy sauce needs 3 bathtubs of water. Mayonnaise needs more water than shampoo, and used cooking oil needs the most water of all. Now ( ② ) can we do at home to reduce water pollution? It's not so difficult. For example, we should eat all our food. We should not drain used cooking oil and not use too much shampoo. I decided to write a report about how to reduce water pollution and tell my school friends about it. I hope we can enjoy swimming in the lake some day. What do you think?

Your friend, Masao



(注) report レポート pollution/polluted 汚染/汚染される lake 湖 swim 泳ぐ COD 化学的酸素要求量 (水の中に含まれている汚れを数値化したもの) measure 測定する degree 程度 source 原因 natural 自然の industrial 産業の waste 廃棄物 have an influence on ~に影響を与える total 全体の mayonnaise マヨネーズ shampoo シャンプー soy sauce しょう油 cooking oil 料理用の油 drain ~を流す bathtub 浴槽 clean enough for fish to live in 魚が住めるほど十分にきれいな reduce ~を減らす some day いつか

(1) 本文の内容に合うように、( ① ), ( ② )の中に入る最も適切なものを次のア～エのうちからそれぞれ一つずつ選び、その符号を書きなさい。

① ア industrial イ home ウ natural エ total

② ア when イ where ウ what エ why

(2) 本文の内容に合うように、の中に入る最も適切な英文を次のア～エのうちから一つ選び、その符号を書きなさい。

ア homes drain many bathtubs of waste every day

イ people are using a lot of water every year

ウ a lot of bathtubs are made every month

エ cleaning wastes needs a lot of water

(3) Graph B の (A) (B) (C) に入る最も適切なものの組み合わせを次のア～エのうちから一つ選び、その符号を書きなさい。

ア (A) soy sauce (B) shampoo (C) mayonnaise

イ (A) shampoo (B) soy sauce (C) mayonnaise

ウ (A) soy sauce (B) mayonnaise (C) shampoo

エ (A) shampoo (B) mayonnaise (C) soy sauce

(4) 本文とグラフの内容に合っているものを次のア～エのうちから一つ選び、その符号を書きなさい。

ア Graph A shows three sources of water pollution in the lake in Bob's city.

イ Masao thinks there are some things people can do at home to reduce water pollution.

ウ Cleaning 40 ml of milk needs more water than cleaning 20 ml of used cooking oil.

エ The lake in Masao's city has become clean, and now people can swim there.

(5) 次の文章は、ボブからの返事です。文中の( ① )～( ④ )の中に入る最も適切なものを次のア～エのうちからそれぞれ一つずつ選び、その符号を書きなさい。

Dear Masao,

Thank you for your letter. I know we have the ( ① ) kind of problem because the lake in my city is also polluted with wastewater from homes. After ( ② ) your letter, I try to be careful when I drain wastewater.

Have you ( ③ ) your school friends about water pollution in your city? I hope they will ( ④ ) your idea and begin to do something you told them to do. Let's work together to reduce water pollution.

Your friend, Bob

(注) wastewater 廃水 careful 注意深い

① ア same イ old ウ different エ good

② ア showing イ speaking ウ stopping エ reading

③ ア thanked イ taken ウ told エ given

④ ア leave イ give ウ stop エ understand