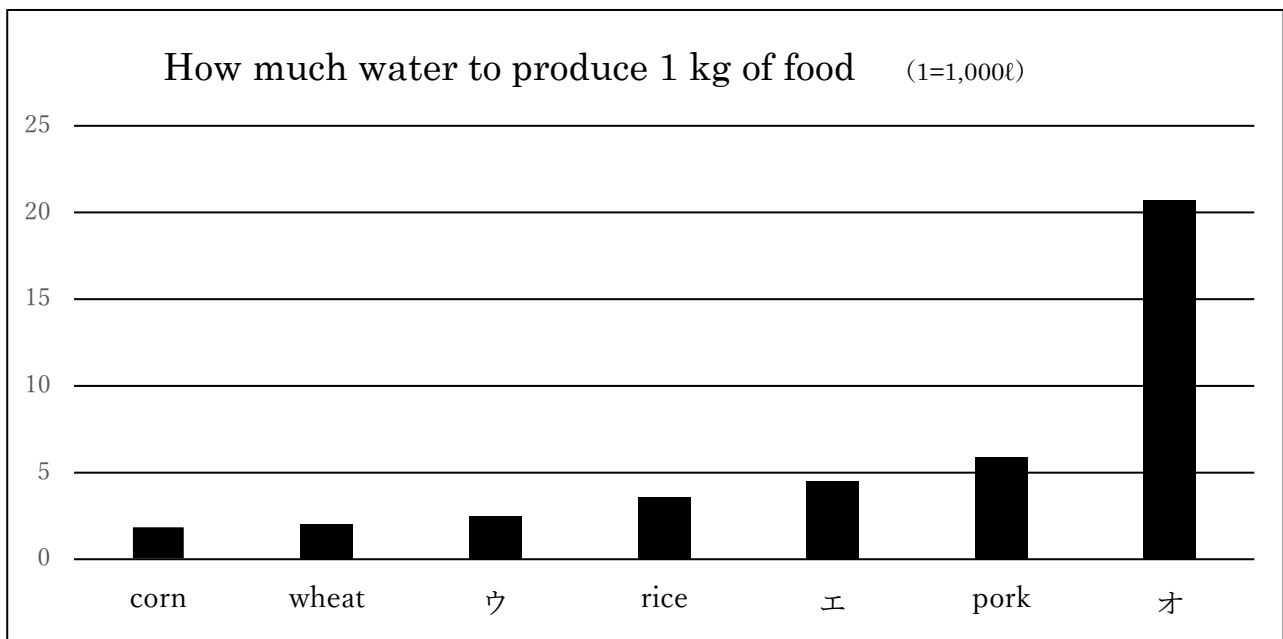


[1] 次の英文を読んで、問いに答えなさい。

場面：留学生の Jane が Ito 先生と virtual water について話しています。

- Jane: Today, we learned that Japan ^{※1}imports a lot of water. I know that there are a lot of foreign mineral waters sold in Japan, but that is not the point. The teacher said, “The point is ‘virtual water.’” I don’t understand that. Can you explain it to me?
- Mr. Ito: Of course. Virtual water is not real water. It is an idea. When we make food, we need water. If we produced 1 kg of food, how much water do we need for ア it? The water we use for making the food is called virtual water.
- Jane: I understand. If we want rice, we need a lot of water for the rice fields. Vegetables also need water. Without water, they cannot grow.
- Mr. Ito: That’s right. However, water is needed not only for vegetables (イ) also for meat. Especially, beef needs much more water than other foods. Let’s look at the ^{※2}figures below and check the details.

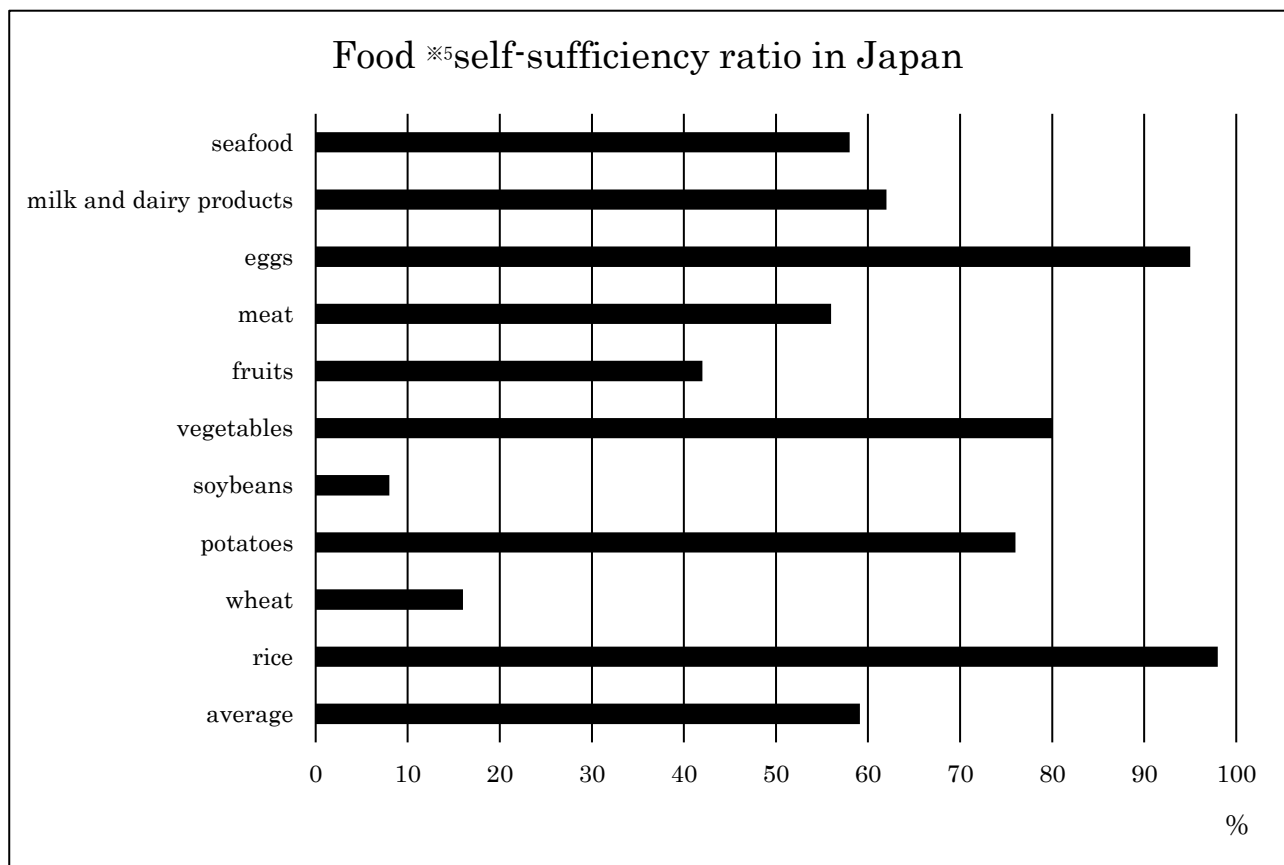
Figure 1



1,900ℓ	2,000ℓ	2,500ℓ	3,600ℓ	4,500ℓ	5,900ℓ	20,700ℓ
corn	wheat	ウ	rice	エ	pork	オ

Mr. Ito: Look at Figure 1. In this figure, we can see how much virtual water is needed to make food that Japan imports. We are talking about corn, rice, soybeans, wheat, beef, chicken, and pork, but not about seafood. Among them, beef uses a lot of virtual water. To grow beef cows, we need a lot of grass and ^{※3}grain, and these need a lot of water. Also, cows are bigger than pigs or chickens, so they need more water to drink. We also need water to wash them and clean their ^{※4}barns. It takes two years or more to raise cows. This is longer than raising other animals for meat. We can also see all meats need more water than plants. Among the plants, corn needs the least amount of water and is followed by wheat and soybeans. Rice needs the most water among the plants, but it needs less water than chicken. Now we understand every type of food needs a lot of water to be produced.

Figure 2



Mr. Ito: In Figure 2, we can see that food self-sufficiency is low in Japan. (カ), Japan is dependent on food from other countries. (キ), this means Japan imports a lot of virtual water used to make that food.

[注] ^{※1}import 輸入する ^{※2}figure 図、表 ^{※3}grain 穀物
^{※4}barn 家畜小屋 ^{※5}self-sufficiency ratio 自給率

1 下線部アの it が指すものを①～③から1つ選び、マークしなさい。

- ① virtual water ② real water ③ 1 kg of food

2 空所(イ)に入る最も適切なものを①～④から1つ選び、マークしなさい。

- ① and ② but ③ or ④ so

3 本文の内容に合うように Figure 1 のウ、エ、オに入る最も適切なものを、①～④からそれぞれ1つずつ選び、マークしなさい。

- ① soybeans ② beef ③ chicken ④ fish

4 空所(カ)、(キ)に入る最も適切なものを①～③から1つ選び、マークしなさい。

- (カ) ① Instead of ② In front of ③ In other words
(キ) ① In fact ② Because ③ However

5 Figure 2 を見て、(a)、(b) の答えとなるものを語群から2つずつ選び、マークしなさい。

(a) What two types of foods does Japan most need imports for?

(b) What two types of foods does Japan least need imports for?

[語群]

- | | | | |
|--------------|---------------------------|------------|------------|
| ① rice | ② wheat | ③ potatoes | ④ soybeans |
| ⑤ vegetables | ⑥ fruits | ⑦ meat | ⑧ eggs |
| ⑨ seafood | ⑩ milk and dairy products | | |