

# 英 語 (リーディング)

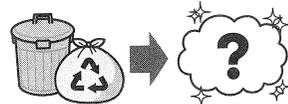
各大問の英文や図表を読み、解答番号  ~  にあてはまるものとして最も適当な選択肢を選びなさい。

## 第1問 (配点 6)

You are looking at an advertisement for an art gallery in Wellington, New Zealand and notice information about a competition for college students. You are considering taking part.

### College Students — Transform Your Trash!

Time to clean out your room and get rid of your trash?  
Read on!



Your task is to keep a seven-day diary of all the rubbish from your big clean-up and make something 'cool' or useful!

#### Rules of Entry

- ◆ Record your trash every day for one week between April 1 and May 19.
- ◆ Make a piece of art or something useful using your trash.
- ◆ Take 3 to 5 pictures of your work after the seven days and upload them on the relevant link with your trash diary by 23:59 May 26.

→ Upload Art

→ Upload Something Useful

- ◆ Explain in under 30 words why you made your entry.

#### Vote for the Best!

- ◆ You can only vote once in each of the categories, and not for your own work. Click the link to look at all the entries and vote from May 27 until the last day of the month at 20:00.

→ Vote

- ◆ Each vote costs 1.5 NZD, which will be donated to recycling awareness.

### Winners

The winner of the 'Art' category will have his / her piece exhibited in our gallery until January 5 next year!

The winner of the 'Something Useful' category will have his / her work reproduced by a professional local artist and sold in our gift shop!

Those in first, second and third place will each get two free tickets for our summer 'It's Trash?' exhibition!

問1 You can upload your work between .

- ① April 1 and May 19
- ② April 8 and May 26
- ③ May 27 and May 31
- ④ June 1 and January 5

問2 When entering this competition you have to .

- ① buy something you want at the gift shop
- ② collect different kinds of trash
- ③ create something with your unwanted things
- ④ vote for two different entries

問3 If you come in second or third place you will be able to .

- ① meet an artist who works in Wellington
- ② select something from the gift shop
- ③ take someone to see a summer exhibition
- ④ visit the gallery whenever until January

第2問 (配点 10)

You are a member of staff for your school English magazine. Paula, an assistant teacher from the UK, has submitted an article.

Do you believe in aliens? A recent survey showed people in Mexico in particular are believers, but not as many as Russia where around 70% of people think we humans are not the only intelligent lifeform. Whereas just under half of people in China think so, in Holland about one in four people would agree.

So, should we spend more time studying space?

A well-known science magazine states the pros and cons of exploring space.

**Advantages of space exploration are:**

- Many technologies designed to let us go into space now improve our lives at home.
- Most of our studies are done from Earth, so we don't even need to travel outside our planet.
- It is important for finding another planet where humans can survive after using all of Earth's resources.

However, researching about space is incredibly expensive, and it is necessary to use a lot of natural resources as fuels. We are also turning space into a huge trash can, with all the garbage we are leaving up there.



Men and younger generations tend to believe in aliens the most, perhaps because of their love of alien movies and the high-tech special effects today which seem so real. Religious people often believe that humans are unique because they were created by God. Though more than half of us think that there must be life beyond Earth, more than three out of five people, myself included, don't think anything is likely to be as intelligent as humans. I wonder if it is worth trying to find out the truth.



問1 In terms of the ratio of people who believe in aliens, which shows the countries' ranking from highest to lowest? 4

- ① China — Holland — Russia
- ② China — Russia — Holland
- ③ Holland — China — Russia
- ④ Holland — Russia — China
- ⑤ Russia — China — Holland
- ⑥ Russia — Holland — China

問2 According to the well-known scientific magazine, one advantage of exploring space is that 5.

- ① we can make life more exciting
- ② we go to outer space more easily
- ③ we have more advanced technology
- ④ we will find a healthier planet

問3 One way of thinking mentioned in Paula's article is 6

- ① 'Humans, made by God, are a special lifeform.'
- ② 'Men like science fiction movies best.'
- ③ 'More study on our own planet is necessary.'
- ④ 'Space is a good place to put trash.'

(下書き用紙)

英語 (リーディング) の試験問題は次に続く。

問4 Which best summarises Paula's opinion about aliens?

- ① It is unlikely that they exist.
- ② People might never know the truth.
- ③ Real aliens are unlikely to be very intelligent.
- ④ Whether you believe doesn't depend on your culture.

問5 Which is the most suitable title for the article?

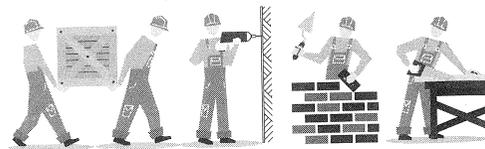
- ① God or Science?
- ② Protecting Our Planet
- ③ Space — Should We Know More?
- ④ The Human Imagination

## 第3問 (配点 9)

You are interested in joining a worthwhile project and have found a story in a catalogue about volunteering.

## Building for the Future

Last July, I headed to a small town in Romania, with seven other students from my school and two former students who graduated last year. Our destination was a rural town in a poor part of this developing nation, and our goal was to help as volunteers for Habitat for Humanity. We would spend two weeks as part of a project designed to bring about permanent, lasting changes to a struggling community. I had absolutely no building experience except for painting, which I finally put into practice the day before I left Romania.



After a short flight and a long bus ride through beautiful countryside, interrupted only by a group of sheep being driven along a narrow road, we arrived. Not long after being shown the basic accommodation where we would stay, we were handed a hard protective hat and a schedule. Some 200 people from various parts of the world had been there weeks or days and would tell newcomers what to do.

I arrived at the site to find neat holes dug in the ground, building materials organized and laid out with the necessary tools for the job, and a tent for breaks. The first day my team's task was to cut wood to a certain size, and then build an outside wall of a house with bricks. My motivation was soon lost when a team member began shouting at me. I'd measured the wood wrongly and the pieces were too small. To make matters worse I'd been unprepared for the heat and had had to take a long break in the morning after feeling ill.

Considering quitting, I found new drive when the angry woman from the first day calmly explained to me that any mistake could delay the

completion of the homes for those waiting for them. I realized I needed to be more serious. On the night before I started working, my team had been introduced to teen sisters who would get one of the homes and when our job was complete, I spoke to them. They explained that they had lost their parents in farming accidents as small kids and had had to drop out of school to earn money, staying in a home packed with parentless kids. Though a tough two weeks, as I saw their tears of happiness, it was all worth it.

問1 Put the following events (① ~ ④) into the order they happened.

9 → 10 → 11 → 12

- ① Some sheep delayed the group.
- ② The team first met two sisters who would get a home.
- ③ The writer did some painting.
- ④ The writer got sick because of the hot weather.

問2 Why did one of the team members get so angry with the writer? 13

- ① The writer behaved in too unfriendly a manner.
- ② The writer didn't cut the wood to the right size.
- ③ The writer failed in health care.
- ④ The writer lied about her building experience.

問3 From this story, you learned that the project's aim was to 14 .

- ① build a center for kids without parents
- ② help make basic homes more comfortable
- ③ provide people with long-term accommodation
- ④ teach people with little education new skills

第4問 (配点 12)

In English class you are writing an essay on IT problems you are interested in. This is your most recent draft. You are now working on revisions based on comments from your teacher.

AI art generators should be used properly	Teacher's Comments
<p>In recent years, artificial intelligence (AI) has developed rapidly. AI is used for many things, such as generating music, translating foreign languages, and analyzing data. AI can be used in many positive ways. However, many artists are worried about AI programs that generate art. They believe these programs should be limited or restricted.</p> <p>First, AI art generators steal the work of real artists. These programs must be trained on thousands of examples of real art made by human artists. <sup>(1)</sup> ^ Many artists don't consent to AI programs using their art this way. They believe their work has been stolen and is being used illegally.</p> <p>Second, AI art takes jobs from real artists. AI art generators can make photographs or pictures at a much lower price than a human artist and in much less time. This <sup>(2)</sup> <u>changes</u> the demand for real artists and leaves them with less work. In the future, this may cause artists to lose their jobs, even though they are highly skilled and have spent years perfecting their skills.</p> <p>Finally, <sup>(3)</sup> <u>let's consider learning art</u>. Drawing, painting, and photography are all creative forms of expression, and are important to us as human beings. Practicing art develops the small muscles in our hands and encourages imagination and creativity. If art becomes something we can make at the click of a button, we will lose this important part of our culture.</p>	<p>(1) Can you tell me how the AI programs do that? Add more information here.</p> <p>(2) Changes the demand in what way? Be more specific.</p> <p>(3) The topic sentence doesn't adequately summarize your point. Rewrite it.</p>

In conclusion, AI programs sample the work of artists without permission, they reduce work opportunities for artists, and they discourage people from making art themselves. Many artists believe that despite the advantages of AI art, it has a negative influence on our culture overall. <sup>(4)</sup> ^

(4) Add a concluding sentence here.

Overall Comment

This is very interesting. I had never thought about the problems with AI art generators before. Good work!

問1 Based on comment (1), which sentences should you insert here?

15

- ① AI programs analyze these images and sample them to make new ones.
- ② AI programs can make original art without using other people's images.
- ③ AI programs use art or photography bought from professional artists.
- ④ AI programs use pictures donated for free by human artists.

問2 Based on comment (2), which word or expression should you use here instead? 16

- ① expands
- ② magnifies
- ③ reduces
- ④ replaces

(下書き用紙)

英語 (リーディング) の試験問題は次に続く。

問3 Based on comment (3), which topic sentence should be inserted here?

17

- ① AI art generators are better at making drawings and photographs than humans
- ② an increase in AI art will discourage people from studying and practicing art
- ③ children who use AI art use their imaginations in a way that is different from artists
- ④ using AI art is a different form of creativity, so it should be encouraged

問4 Which sentence should you add, based on comment (4)? 18

- ① As a result, artists should use AI art generators more carefully.
- ② Consequently, AI technology is still not effective enough.
- ③ In summary, AI should be developed more.
- ④ Therefore, the use of AI art generators should be limited.

第5問 (配点 16)

You are going to study at Wyatt University in the US from September and need accommodation. You are looking at the blogs of two students, Olivia and Rob, to see what options are available.

**See You at Wyatt University!**

Posted by Olivia at 3:32 p.m. on July 17, 2022

Need a place to live for your college adventure? One thing to consider is what your rent includes, and other spending costs. Look at the average amount of money students spent on necessities not included in their rents this year.

**Added Costs — Be Aware!**



Groceries  
\$110 a month



Electricity  
\$20 a month



Internet  
\$15 a month



Transportation  
\$20~30  
a month



Laundry  
\$38 a month

Naturally where, and the kind of place you live make a difference. Living in a campus dormitory or a private campus room, you won't need to travel. If you stay with a family, freshly cooked food is usually included, but one problem is that you can't always expect privacy. I'd advise selecting a no-food plan in a private campus room for \$95 a month less than a food plan. There aren't student discounts for buses, so I'd recommend a place in Zone 1 so you can walk to classes.

By the way, don't forget hidden savings or costs! In off-campus accommodation, both apartments and families, the deposits are at least double those of accommodation in private campus rooms. If you live in an on-campus dormitory you must move out in summer, but that saves you money!

**Join Us at Wyatt!**

Posted by Rob at 11:03 a.m. on July 18, 2022

I remember the tough time I had finding accommodation on starting at Wyatt University.

I spent my first year in a private campus room, where everything except laundry fees was included, though paying for food service separately is probably better. I often missed meals because of studying or hanging out with friends. And, from my room commuting to class was quick, but the bus service in Zones 2 and 3 is also efficient. The journey from Zone 3 is more time-consuming, and if you consider the extra price of buses and relatively small differences in rents between these two areas, I'd prefer to live nearer the city center.

If you pay each time you wash clothes, money disappears soon! But if you live in an apartment house with three other students, you can pick up a washing machine for around \$120 per person, and you'll save almost all laundry fees. In the on-campus dormitory, everything is included except food and laundry, but this definitely isn't for someone who enjoys time alone!

Type	Monthly Rent		
	Zone 1 (City Center)	Zone 2	Zone 3
Staying with Families A, B, and C	\$240 (A)	\$198 (B)	\$182 (C)
Campus dormitory	\$66		
Private campus room with food included	\$270		
Off-campus students' apartments X, Y, and Z	\$220 (X)	\$170 (Y)	\$150 (Z)

<https://helpwithaccommodationwu.example.com>

Don't forget deposits! If you live on-campus, it is \$150 for the dormitory, and \$300 for private rooms on moving in.

問1 Olivia recommends living close to the university because .

- ① the city bus doesn't offer student rates
- ② the city bus service is unreliable
- ③ walking to class is good exercise
- ④ you can save time commuting on foot

問2 Rob suggests purchasing .

- ① a washing machine with other students if possible
- ② extra food because campus meals are small
- ③ some kind of wi-fi router for faster Internet access
- ④ your own desk so that you can study more easily

問3 Both Olivia and Rob recommend that you .

- ① choose accommodation in Zone 2
- ② choose accommodation without food included
- ③ live with a family if possible
- ④ live with roommates you can get along well with

問4 If you want your privacy ensured but wish to pay the cheapest monthly rent, you should choose to  among the four options.

- ① live in a campus dormitory
- ② live in a campus private room without food included
- ③ live in off-campus students' apartment Y
- ④ live with Family C

問5 Among the four options,  is likely to be your choice if you want to pay the least deposit; and if you need to live in a place in Zone 1 for the whole year, the monthly rent is likely to be the most inexpensive by living in . (Choose one for each box from options ① ~ ④.)

- ① Campus dormitory
- ② Off-campus students' apartment X
- ③ Private campus room with food included
- ④ Staying with Family A

## 第6問 (配点 18)

You are working on an essay about whether financial education (knowledge about personal finance) classes should be taught in schools. You will follow the steps below.

- Step 1: Read and understand various viewpoints about financial education.  
 Step 2: Take a position about whether or not financial education should be taught in schools.  
 Step 3: Create an outline for an essay using additional sources.

## [Step 1] Read various sources

**Author A (student)**

When I heard my school was going to introduce personal finance lessons, I was annoyed, because we already have so much academic work. Despite that, I began to change my mind after a few classes. I learned so much important information that will help me in my future. My parents are immigrants from South America, and they work hard but they don't have much money. I want to build a better future for myself, and these classes have given me the knowledge to make wise decisions about my money.

**Author B (high school principal)**

I was thinking about adding personal finance lessons to our curriculum like some schools in our district. However, we don't have enough time or qualified teachers available to do this properly. I believe life skills such as personal finance should be taught at home. I understand that some students don't have the opportunity to learn these skills from their family members. That is why we'll have a counsellor who can speak to students about their individual problems including financial matters.

**Author C (parent)**

I have always taught my children about how to take care of their money. Even from a young age, I gave them pocket money and opened savings accounts for them. When they start university, I will help them get the best deal on a student loan, and encourage them to get a part-time job. This is why I don't believe personal finance classes in school are necessary. I'm also concerned about who will teach the subject. I think teachers generally aren't qualified to talk about financial issues for now.

**Author D (finance journalist)**

Before I answer this question, I have to ask what "financial education" is. What do schools intend to teach? It is a very wide-ranging subject and much of the basics are common sense. I believe even young children understand that they need to save money and not borrow money they can't pay back. Of course, my job is to write about pensions and investments, but the information is constantly changing. If you want to know where to put your money, I recommend reading the financial pages of a newspaper, not asking a school teacher.

**Author E (university counsellor)**

Due to my job, I know a large number of students start university in a bad financial situation because they made a poor decision about which student loan to take out. Of course, some students have very knowledgeable parents, or rich parents, so they don't get into trouble in this way. On the other hand, some very intelligent students get into trouble because they simply weren't prepared by their parents. I think that schools should help these students out by giving them the knowledge that their parents or families can't give.

問1 Both Authors C and D mention that 25.

- ① it is too difficult to teach information about pensions and investments, so students should consult experts
- ② students can learn more about finance by going to university and earning money in a part-time job
- ③ teachers may not have the knowledge or experience necessary to teach classes about personal finance
- ④ there is not enough time to teach personal finance in schools because of the students' busy schedule

問2 Author B implies that .

- ① she wants to add personal finance classes to the schedule but the teachers and students are against it
- ② some students are at a disadvantage because their families do not teach them about personal finance
- ③ the students want to have personal finance classes but the teachers do not have the knowledge to teach it
- ④ young people are more likely to make risky decisions than adults, so should not handle money early

**[Step 2] Take a position**

問3 Now that you understand the various viewpoints, you have taken a position on teaching personal finance in schools, and have written it out as below. Choose the best options to complete , , and .

Your position: Classes about personal finance should be taught in high schools.

- Authors  and  support your position.
- The main argument of the two authors: .

Options for  and  (the order does not matter):

- ① A
- ② B
- ③ C
- ④ D
- ⑤ E

Options for

- ① Learning about money while at high school will allow students to get better careers in the future
- ② Parents who are poor can learn about finance and money from their children, which improves their lives
- ③ Students who learn about finance at school are more motivated to study hard to improve their prospects
- ④ Teaching personal finance in school will reduce the inequality between students of different backgrounds

**[Step 3] Create an outline using sources A and B**

Outline of your essay:

**Schools should introduce personal finance classes for their students**

**Introduction**

In recent years, more schools in various countries around the world are introducing classes about personal finance for their students. This is a good idea for the following reasons.

**Body**

Reason 1: (From Step 2)

Reason 2: (Based on Source A) .....

Reason 3: (Based on Source B) .....

**Conclusion**

High school teachers should teach their students about money and personal finance.

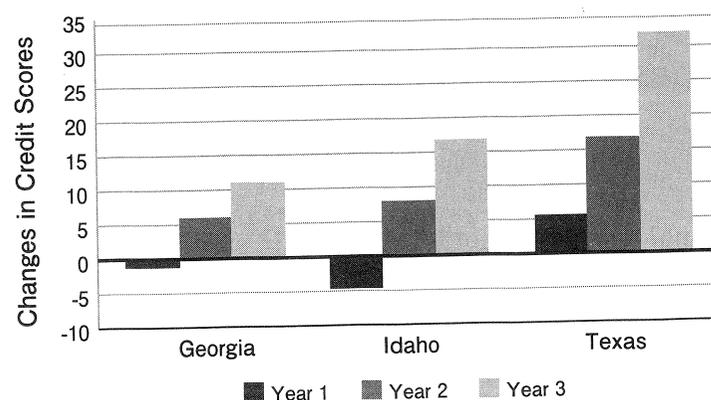
**Source A**

One advantage of giving high school students classes in personal finance is that they are less likely to engage in risky financial behavior later in life. One measure of this is the likelihood of taking out payday loans. A payday loan is a loan that has a very high interest rate and needs to be repaid within a short period of time, such as a couple of weeks. People who take out these loans and cannot pay them back often get into legal trouble or even get involved in crime in order to find the money they need. However, studies show that young people who took part in personal finance education while at school were much less likely to become involved in taking out payday loans. They were also less likely to delay repaying their debts such as credit card debt. We can assume that this will lead to fewer legal problems and a lower likelihood of getting involved in crime when these students become adults and are responsible for their own financial decisions.

**Source B**

A research study in the US tracked the credit scores of students in three states who had undergone personal finance lessons at high school. Credit scores are important because they help banks and other organizations determine how trustworthy a person is regarding money. People with high credit scores are more likely to get good interest rates on loans and credit cards, and are more likely to be approved for a home loan.

The Effects of Financial Education on Credit Scores over Three Years



問4 Based on Source A, which of the following is the most appropriate for Reason 2? 30

- ① Crime rates went down among students who had taken finance classes at school because they earned more money.
- ② Students were less likely to use credit cards and loans after taking classes in personal finance at high school.
- ③ Those students who went into a legal or finance career were more likely to have had finance classes at high school.
- ④ Young people who had received financial education at school were less likely to make high-risk financial decisions.

問5 For Reason 3, you have decided to write, “Personal finance classes make students more financially responsible.” Based on Source B, which option best supports this statement? 31

- ① All of the students in the three states managed to raise their credit scores after three years. However, Idaho was the least successful state in terms of teaching financial education.
- ② In some states, there was a drop in credit scores a year after taking finance classes. This means that young people always make bad financial decisions that affect their long-term future.
- ③ In two of the states, there was a negative effect on credit scores because of taking finance classes. After that, their credit scores rose, which shows that credit scores always rise over time.
- ④ Three years after taking finance classes at schools, students in all three states had considerably improved their credit scores. This shows that they are making good financial decisions.

## 第7問 (配点 15)

In your English class, you will give a presentation about a professional inventor. You found the following article and prepared notes for your presentation.

Many people at sea have been saved by lifeboats — boats whose purpose is to rescue people in trouble on our oceans. In 1790 after a boat sank near the coast of England, a local businessman who saw the disaster decided something had to be done. He designed a rescue boat made partly of a light wood, which would be difficult to turn upside-down. Though it did save many people, there was one huge problem. It was only useful for accidents near land.

Around 1840, Maria Beasley was born in the USA to a miller — someone who processes flour. She was extremely interested in her father's machines and would examine how they worked. When she was thirteen, she successfully designed and made a boat to use on a lake, and perhaps this later inspired her to improve designs of lifeboats in 1880.

Visiting one of her grandfathers, who owned a drink factory, during her school summer vacation, she became fascinated by the wooden barrels made for transportation and learned about the barrel-making machines. This curiosity later led her to invent a tool to speed up the barrel-making process, which she patented in 1881 and 1882. Due to its ability to produce more barrels, and so naturally to sell more product, business owners from everywhere wanted this machine. Making various improvements to the machine over the years, her business flourished, and she sold it for about \$1.4 million dollars about ten years before she died. That's more than \$40 million today!



Maria Beasley

Beasley probably decided to make a career of her love of engineering when she moved to the city of Philadelphia for her sons' education. This city held a world fair in 1876 for nations worldwide to show off their latest achievements. She was a frequent visitor, and it inspired her to invent a foot warmer and a roasting pan at the end of that same decade.

In 1895, Beasley was living in Chicago when a major rail project to link both coasts of America by rail through Chicago was announced. Beasley became involved, exploring ways to make trains faster and, more importantly, safer. Beasley was acknowledged as the key designer of the new trains, whose shape allowed them to move faster and made them less likely to come off the rails at high speeds. Built with windows that allowed the train drivers to see more clearly, they were safer forms of transport than previous models.

Nevertheless, Beasley is most remembered for her lifeboat designs. Her boats were strong in rough seas and apparently fireproof. They could be folded, which meant that they were much easier to store on ships. In the late 1800s and early 1900s immigration by ship to the US by people in search of better lives was booming, and there is no doubt that Beasley's lifeboats and train improvements saved hundreds of lives.

Maria Beasley's family strongly supported her. In an era in which wives' earnings and possessions legally belonged to their husbands, her husband John refused to take credit. Her son worked closely with her before she died in 1913. Her determination to make life-changing machines was extraordinary, and her works were displayed at a Chicago world fair in 1893. It is hard to believe that she started out as a dressmaker!

Your presentation notes:

**Maria Beasley (Around 1840~1913)**  
 - 32 -

From Birth to School Days  
 - born to a miller  
 - 33  
 - 34

Sequence of Life Events

A world fair caused her engineering interest.  
35  
 Beasley got a patent for her barrel-making machine.  
36  
37  
38

Train Design  
 - The trains Beasley designed 39 .

Lifeboat Design  
 - Early lifeboats were only useful for accidents near land.  
 - 40

問1 Which is the best subtitle for your presentation? 32

- ① Amazing Family and Life-changing Designs
- ② Engineering Designs to Save Lives
- ③ Inventions of Various Shapes and Sizes
- ④ Selfish Businesswoman and Inventor

問2 Choose the best two options for 33 and 34 to complete From Birth to School Days. (The order does not matter.)

- ① built her own boat for sailing on a lake
- ② entered and won a nationwide invention competition
- ③ helped some sailors who were in trouble
- ④ hit on a totally new way of processing flour
- ⑤ studied the machines at a relative's business

問3 Choose **four** out of the five events (① ~ ⑤) in the order they happened to complete Sequence of Life Events.

35 → 36 → 37 → 38

- ① A rail project hired Beasley to improve the design of trains.
- ② Beasley moved to Philadelphia in order to educate her sons there.
- ③ Beasley sold her business for a fortune.
- ④ Some of Beasley's inventions were displayed at a world fair.
- ⑤ The design of lifeboats was made better by Beasley.

(下書き用紙)

英語 (リーディング) の試験問題は次に続く。

問4 Choose the best option for 39 to complete Train Design.

- ① had better engines that didn't overheat after long hours of use
- ② had stronger windows that would rarely break if hit with something
- ③ were able to stay firmly on train tracks when moving at high speeds
- ④ were far less dangerous than other types of public transport

問5 Choose the best option for 40 to complete Lifeboat Design.

- ① Her boats could also help put out fires.
- ② Her boats' size could be reduced for storage.
- ③ New US citizens arrived on her boats.
- ④ The design of her lifeboats remains unchanged until today.

## 第8問 (配点 14)

You are in a group of students preparing a poster for a presentation contest with the theme "Popular health concerns in society." You have been using the following passage to create the poster.

**Doing Battle with Allergies**

~ A Common Health Worry Today ~

Nowadays millions of people suffer from allergies. Indeed, allergies are a modern phenomenon, and the number of people having to deal with them — whether they are chemical, plant, food, or medicine-related — is growing higher as cities spread and industry progresses. In remote areas of Africa and South America, it is still rare to find someone with allergies. Though they are seldom life-threatening, they can make us miserable. Around 6% of young kids in the USA have a food allergy, and today manufacturers are required by law to print on packaging when something contains ingredients that harm many of us — namely nuts, milk, eggs, fish, soy and flour. Some children with severe allergies must eat at different tables from their classmates or even be educated at home in order to avoid them getting sick from an item in another child's lunch.

So why are we developing allergies to everyday things? The reason is, unfortunately, unclear. One day the body meets a harmless ingredient, such as flour in a cake, and for some reason flags it as an enemy. At first nothing happens, but the body, remembering it, starts making plans to do battle. Our immune systems, which protect us from poisons and illnesses, begin producing 'soldiers' that attach to cells and wait for the offensive material to enter the body again. When it does, even months later, the 'soldiers' fight it with chemicals, which actually irritate our skin, or make us cough or our noses run. The battle, and our physical reaction, can become more intense over time.

Though allergies can be passed down from parents, the rise in the number of sufferers is so rapid that this clearly isn't the only cause. Our environments and behavior must have something to do with the increase. There are theories that babies who are raised on factory milk-substitutes may be more at risk of getting allergies than those who drink their mother's milk. The same could be true for consuming processed foods more than natural foods like fruits and vegetables. Some scientists argue that children living near busy roads may have worse allergies, most likely due to what passing traffic puts into the air.

Being too clean, ironically, is also presumably a factor. Technology provides us with effective medicines, spotless hospitals, and solid homes that not only keep cold and bad weather out but also guard us from dirt. Not playing in nature or getting dirty can mean children's developing bodies lose the chance to practice attacking things that damage our health and therefore grow lazy and become insufficiently prepared. When cases of people with plant-related allergies began to surface in 1819, none of them were uneducated poor people. Today even families in developed nations who aren't wealthy can lead clean lives, and the dirt we need to encounter, such as soil from fields and animal waste is practically nowhere in urban areas.

Some scientists believe that exposing kids to the right kinds of dirt at a young age could be a key solution, though with evolution and our forever changing bodies, this could do more harm when we get older and live cleanly. While some professionals believe we should expose children to popular sources of allergies like flour as much as possible when young to build up their defenses, others feel we should distance them from them totally. Obviously, we don't know enough yet. We are more aware of allergies now, though, and many hotels offer rooms with special fans to keep air free of dust and wash sheets with products that don't contain substances likely to hurt our skin. Through engineering genetics, we can take some ingredients out of foods without changing the taste. But how much should we change nature through science? And even if we do, what new things will our bodies object to in the future?

Your presentation poster draft:

**Why do allergies occur?**

41

**Suggested causes for various allergies**

Type	Cause	Theory	Origins
1	Diet 	Children who consume manufactured foods <span style="border: 1px solid black; padding: 2px 5px;">42</span> may be at high risk.	foods, drinks, etc.
2	Transportation 	In areas where there is a lot of traffic, children's allergies may get worse.	chemicals in gasoline, etc.
3	Nature 	Lack of contact with dirt and waste may <span style="border: 1px solid black; padding: 2px 5px;">43</span> .	soil, animals, etc.

**Possible solutions to allergies:**

44  
45

問1 Under the first poster heading, your group wants to introduce the reason why allergies occur, as explained in the passage. Which of the following is most appropriate? 41

- ① They appear because of more newly developed medicines being used in modern life.
- ② They are unexplained violent reactions by our bodies to supposedly safe things.
- ③ They begin when we suddenly make complete changes to our living environments.
- ④ They develop when technology advances so much that it causes changes in our brains.

問2 You have been asked to write theories for possible allergy cause Type 1 and 3. Choose the best options for 42 and 43.

Type 1 42

- ① and drink processed baby milk
- ② and eat lots of sweets
- ③ but avoid nutritious juices
- ④ but no nuts or fish

Type 3 43

- ① cause us to be unaware of their dangers
- ② deny us enough fresh country air
- ③ lead to our difficulties in standing cold temperatures
- ④ make us vulnerable to unhealthy elements

問3 You are making statements about possible ways allergies could be tackled. According to the article, which two of the following are appropriate? (The order does not matter.)  ·

- ① Children ought to be kept away from foods that are often the cause of allergies.
- ② Families with young children ought to put air-cleaning appliances in bedrooms.
- ③ People should have the chance to encounter the right type of dirt early in life.
- ④ Plants and foods that commonly make children feel ill should be scientifically altered.
- ⑤ Special bed sheets made from natural materials should be sold for children.
- ⑥ Vitamins that help children develop healthily ought to be added to certain foods.

## 第 5 回

(80分)

## 実 戦 問 題