

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 the website for a shopping mall near your university, and you find information on an environmentally-friendly program it will be carrying out.



Reuse your clothes & reboot your life!
Special coupons for your old favorites



It takes a lot of natural resources to make the clothes we wear every day. However, last year the amount of dumped clothes was 11 million tons in America alone — worse than ever!
So how can we tackle this issue? Reuse!

Our project

Our clothing-collecting project just started three years ago. You can help us like this:

1. Instead of throwing your unwanted clothes away, please bring them to us at **Silver Sky Mall**.
2. Turn in your clothes (any brands, in any condition) at the register.
※ We accept items bought at shops other than ours.
3. We will give you a \$5 coupon per one item to make your next purchase at our mall. (You can bring up to three items at one time; if you bring a member's card or sign up for one, you can donate one more item.)

Last year, thanks to you, we collected one ton of textiles and successfully reused them. Collected garments will be reworn by someone, remade into new clothes, or recycled into other products like shopping bags or machine parts.

Date

Sat. April 20th – Tues. April 23rd, 9:00 a.m. - 4:00 p.m.

※ You can participate in this campaign once per person during this period.

Want items at special prices?

Some collected clothes will be sold as secondhand clothing at our mall from May. During this event, if you want to look at pictures of the items, please visit the special website.

<https://silversky.trade-in.example>

問1 If you have a member's card, you can get coupons for a maximum of

.

- ① \$10
- ② \$15
- ③ \$20
- ④ \$25

問2 Last year was .

- ① the beginning of the distribution of coupons on the website
- ② the first time Silver Sky Mall had collected more than 1,000 kg of unwanted garments
- ③ the first year of this clothes-collecting program
- ④ the worst year for the amount of wasted clothes in the US

問3 During this program, you cannot .

- ① bring clothes purchased from other countries
- ② check on the Internet what items will be sold
- ③ send in the clothes you want to sell by mail
- ④ use the coupon next time you come to the mall

第2問 (配点 10)

You are a member of the student council. The members have been discussing a project helping students to clear the town of trash. To get ideas, you are reading a report about a school challenge. It was written by an assistant language teacher who taught at a junior high school in Japan.

Cleanup Challenge

In response to the town's environmental beautification campaign, our junior high school worked on the town's cleanup activity. I also felt that there was a lot of litter, such as empty bottles or pieces of paper, on the road the school is on, so I thought this would be a good opportunity to improve the environment near our school. We started this activity to help students understand the importance of keeping the community clean. A total of 250 students participated every Friday from January 10th to February 10th. They picked up litter on their way to school, put it in a special plastic bag and brought it to school. What was interesting was that students from the western part of the town picked up more litter than students from other areas. What was the cause of this? Based on the feedback (given below), there seems to be an answer to this question:

Feedback from participants

AS: Thanks to this project, I realized the importance of cleaning. It seemed that when the road was clean, my heart was also clean.

BK: Some of my friends seemed to find it difficult to pick up litter because they commuted to school by bicycle.

SC: I made a map of where I found a lot of litter. There seems to be no significant relationship between distance from the station and amounts of trash.

JD: We separated trash carefully. Cigarette butts were the most common objects, followed by plastic trash, wastepaper, and empty cans. Smoking on the street is prohibited in our town, so I was very upset.

ML: One of my classmates commuting from the western area of our city picked up more litter than I did. This may be related to the fact that there is a busy shopping area there.

問1 The aim of the Cleanup Challenge was to help students to .

- ① appreciate the need for a clean environment
- ② be worthy members of the community
- ③ recognize regional trash connections
- ④ understand different types of litter

問2 One fact about the Cleanup Challenge is that .

- ① it lasted for two months during the winter
- ② it was held at least four times during a set period
- ③ most of the students came from the western side of town
- ④ students had to use homemade bags

問3 From the feedback, were activities reported by participants.

A : examining different types of litter

B : recording where litter was found

C : taking litter home

D : warning people not to smoke

- ① A and B
- ② A and C
- ③ A and D
- ④ B and C
- ⑤ B and D
- ⑥ C and D

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問4 One of the participants' opinions about the Cleanup Challenge is that

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- ① it was more efficient for students commuting by bicycle
- ② many students got into the habit of picking up litter
- ③ smoking should be prohibited as soon as possible
- ④ the cleaner the town was, the better the participant felt

問5 The author's question is answered by .

- ① AS
- ② BK
- ③ JD
- ④ ML
- ⑤ SC

第3問 (配点 9)

You found the following article about success in a magazine that one of your friends lent you.

From Rags to Riches

(By Sally Ellis)

You may have never heard of Howard Schultz, but most likely you know the company he transformed. Born into a poor family in New York in 1953, his number one goal in life was to succeed and build a brighter future, and he fought hard at school to achieve good grades.

Schultz later proved to be a natural at sports, and was offered a free place at university because of his ability. After graduation Schultz did sales for a small coffee-maker company, as well as for other companies, and was promoted quickly there. Eventually he became an advertising manager for a coffee bean company with a few stores in Seattle. The name of this small chain? Starbucks.

On an Italian trip, Schultz was impressed by the café culture there, and suggested Starbucks open coffee shops where people could socialize and chat comfortably. Even when the top managers doubted that ideas would suit their organization, they sometimes allowed their staff to carry them out; and the American public loved Schultz's idea. He then left and returned to Starbucks twice, eventually becoming president of the enterprise, expanding it across the USA and further, incorporating it into 39 countries by 2012. Ironically, some neighboring Starbucks stores have closed because they were competing with each other. Soon after, Schultz was listed in Forbes Magazine as one of America's richest.

Schultz has used any power he had in positive ways since he climbed to the top of his company, and once famously criticized an investor for being against gay marriage, even suggesting he spend his money boosting another company. He received an award for never lying at work, and was invited to teach a course on fair business practices at an American university. He supports the concept of an environmentally friendly business world, and wants oil and gas to be taxed more harshly.

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

- ① Schultz became the head of Starbucks.
- ② Schultz proposed introducing a new business style to Starbucks.
- ③ Schultz quit working at Starbucks.
- ④ Schultz started using his influence constructively.

問2 One fact we know about Schultz's life is that he .

- ① caused constant trouble at school
- ② preferred traditional American customs
- ③ used expensive energy sources
- ④ was among the wealthiest persons in the USA

問3 From this story, you learned that Starbucks .

- ① began as a cheap store accessible to people living in poverty
- ② faced considerable challenges early on and almost went out of business
- ③ itself collected ideas from restaurants worldwide to build an international chain
- ④ listened to proposals of employees and was willing to try new things

第4問 (配点 12)

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

Reducing Paper Use	Comments
<p>In 2021, people around the world used 417 million tons of paper. Producing this much paper has major environmental effects, including deforestation, use of energy and water, and pollution. ⁽¹⁾ <u>In contrast</u>, paper makes up around 26% of all waste in landfill sites. Although much of this paper waste is produced in the workplace, we can also try to reduce paper use in our daily lives.</p>	<p><i>(1) You have used the wrong expression here. Please change it.</i></p>
<p>First, we should reduce our use of disposable paper towels and tissues. Many people use single-use paper towels and tissues to clean their homes. This is particularly true in the kitchen, especially when cleaning up spilled liquids. ⁽²⁾ <u>Wherever possible</u>, you should do this instead of using paper towels.</p>	<p><i>(2) You are missing an important sentence. What do you recommend we do?</i></p>
<p>Second, ⁽³⁾ <u>do you do a lot of reading?</u> The publishing industry in the US uses around 32 million trees a year to produce books. While it is the responsibility of that industry to use more recycled paper, you can help by borrowing books from the library instead of buying them, or by purchasing electronic books instead of printed versions.</p>	<p><i>(3) Change the style of the topic sentence.</i></p>
<p>Finally, we should change our bills and bank statements to digital versions. Until recently, most families received paper bills, which not only wastes paper but also uses energy during delivery. By accessing your bills and bank information online, you can save paper, time, and energy.</p>	

In conclusion, there are many things you can do to save paper. We can reduce our reliance on single-use paper products, change the way we consume books ⁽⁴⁾ ^. By doing this, we can help to protect the environment.

(4) Please summarize your third point here.

Teacher's Comment

Great effort! I should do some of these things too. (3)

問1 What is the best expression to replace the one you used, based on comment (1)? 15

- ① As a result
- ② In addition
- ③ In other words
- ④ On the other hand

問2 What is the best sentence to add, based on comment (2)? 16

- ① However, this job could be done using reusable.
- ② I believe it is important that we use better quality towels.
- ③ It is important that you avoid spilling drinks in the kitchen.
- ④ Therefore, you should be much more careful at home.

問3 What expression should you replace the question with, according to comment (3)? 17

- ① you should buy books that use less paper
- ② you should change the way you read books
- ③ you should reduce the number of books you throw away
- ④ you should think about reading fewer books

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問4 Which expression should you add, according to comment (4)? 18

- ① and avoid having letters delivered
- ② and change the banks you use
- ③ and have your bills delivered digitally
- ④ and reduce the energy you consume

第5問 (配点 16)

You have been asked by your teacher to make a presentation on effective reading strategies and you are reading two articles and are planning to present what you have learned in your next class.

Useful Practice: Rereading

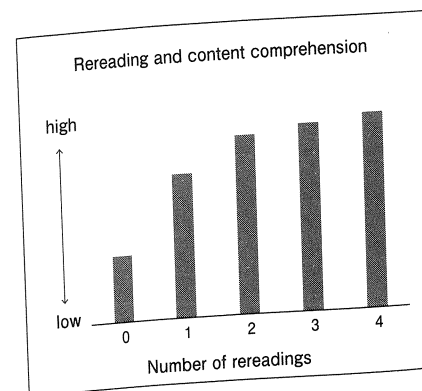
James King
Librarian at Mount City Middle School

Rereading is the act of reading a book, article, or any written material again after having already read it once. It is a common practice among readers who wish to gain a deeper understanding of a text, refresh their memory, or simply enjoy a book they love once again. Rereading is also beneficial for language learners. By rereading a text, learners can improve their vocabulary, comprehension, and fluency. Rereading can also be used as a tool for academic or professional purposes, such as studying for an exam, writing a paper, or preparing for a presentation.

When rereading a text, readers may notice things they missed during their first reading. This is because rereading allows the reader to focus on the details of the text rather than on the plot or overall structure. The reader may find new insights, connections, or meanings that were not apparent before. Additionally, rereading often helps readers identify patterns or themes that were not obvious during their initial reading. Thus readers can also develop their critical thinking skills by analyzing the text and forming their own opinions and interpretations.

However, rereading also has its downsides. It is time-consuming, especially for longer texts. It can also become monotonous or boring because it is not active. Moreover, rereading is not necessarily effective in proportion to frequency, as the graph shows.

In conclusion, though it may not always be necessary or effective, rereading is a useful practice that helps readers gain a deeper understanding of a text, improve their language skills, and develop their critical thinking ability.



Effective Reading Strategy: Interactive Reading

Eric Brier

Professor at Mount City University

Interactive reading refers to the process of engaging with a text through active participation and dialogue. Unlike passive reading, where one simply consumes the words on the page, interactive reading requires the reader to think critically, ask questions, and form connections with the material.

To read interactively, one must approach the text with an open and curious mind. Rather than simply accept the information presented, the reader should actively seek to understand and interpret it. This involves asking questions, making predictions, and connecting the material to one's own experiences and knowledge.

One effective way to engage in interactive reading is through annotation (making a mark or a note), as with the examples below. By doing so, the reader can better remember the material and make deeper connections to it. Annotation also helps the reader to identify key themes and ideas in the text, which can aid in comprehension.

Examples of annotation

Highlighting:	marking important parts with a colored pen
Underlining:	drawing a line beneath key words or phrases
Margin notes:	writing comments or questions in the text
Sticky notes:	attaching small notes

Another way to engage in interactive reading is through discussion with others, which involves book clubs, classroom discussions, or informal conversations with friends. By discussing the text with others, readers can gain new perspectives and insights, as well as reinforce their own understanding of the material.

However, there are also some disadvantages to interactive reading. Firstly, it takes a lot of time, especially if the discussion or activities are extensive. This is not favorable for individuals with busy schedules or limited time. Secondly, interactive reading can also be distracting to the reading process itself, as it often shifts the focus away from the text and towards the discussion or activity. Lastly, the interpretation and analysis of the text may be influenced by the opinions and perspectives of the group, which can limit individual understanding and critical thinking.

問1 King thinks that .

- ① getting insights at the first reading is important
- ② reading books brings us back to reality
- ③ repetition can deepen our understanding of a text
- ④ rereading the same text is very exciting

問2 In the reading method discussed by Brier, readers can .

- ① accept the information as it is
- ② gain a new way of looking at things
- ③ make their language skills better
- ④ understand the text more quickly

問3 Both reading strategies have their disadvantages. King says that rereading tends not to be very , while one disadvantage of interactive reading, Brier says, is that other people's views may affect the reader's thinking. (Choose the best one for each box from options ① ~ ⑥.)

- ① academic
- ② critical
- ③ extensive
- ④ interesting
- ⑤ logical
- ⑥ positive

問4 Both writers agree that effective reading requires .

- ① a competitive environment
- ② considerable time
- ③ high intelligence
- ④ personal information

問5 Which additional information would be the best to further support Brier's argument for interactive reading? .

- ① How to absorb as much information from a book as possible
- ② The most effective way to make annotations while reading
- ③ The reasons why many people don't read the same books again
- ④ Whether or not debating skills are important for your life

第6問 (配点 18)

You are working on an essay about whether high school students should be allowed to have part-time jobs. You will follow the steps below.

- Step 1: Read and understand various viewpoints about working students.
 Step 2: Take a position about whether or not high school students should be allowed to work part-time jobs.
 Step 3: Create an outline for an essay using additional sources.

[Step 1] Read various sources

Author A (Teacher)

A few of the students in my high school class are now working part-time jobs. Some work in restaurants, some work in cafes, and one student works in a convenience store. Certainly, they can learn some important lessons about the real world, but I worry about their health. Once they start earning money, they try to pick up more hours to earn even more, and this impacts their sleep. There are not enough hours in the day for students to work, study, play, and rest.

Author B (Parent)

My son worked in a café last year, but I had to ask him to quit. At first, I was very proud that he was taking on lots of shifts and earning lots of money, but he started to become very stressed. He was trying to pass the entrance exam for medical school, but he underestimated the amount of work he had to do. It was impossible for him to combine studying with work. I won't allow his sister to work part-time when she is a high school student.

Author C (Restaurant owner)

I employ several high school students in my restaurant. I value them as important members of staff. They are eager, willing to learn, and they also work hard. I think working from a young age has taught them responsibility. I have seen my young employees blossom into responsible adults. Students who don't work seem childish to me. I also worked from a young age and it helped me become a successful businessman. Not all people want or have the ability to succeed in an academic environment, so I think it is important that high school students have the opportunity to enter the world of work.

Author D (Police officer)

I can understand why high school students want to work. They want to start earning money so they can socialize with their friends. I also believe it is good to learn about how society works. On the other hand, I am concerned about safety. Many young people have to walk home late at night after a shift at their work places. I have seen many car or bike accidents involving students who are too tired to concentrate after a hard day. I have forbidden my own children from working until they graduate from high school and become university students.

Author E (Student)

I have always been a shy person, but my parents encouraged me to start working at a supermarket near my home. I only work on weekends, but I have already become less quiet and more confident. I have to speak to customers and colleagues of all ages and backgrounds, so I think this job has helped me become a better communicator and a more responsible person. I have also managed to save over \$2,000, which I intend to use to pay my university fees next year.

問1 Both Authors A and D mention that 25.

- ① part-time jobs offer students the chance to experience the real world
- ② students need to learn about the value of work and money from a young age
- ③ they do not allow their own children to take part-time jobs after school
- ④ working in a part-time job improves motivation for high-school students

問2 Author C says that .

- ① a part-time job is an especially positive experience for students who are not good at studying
- ② he tries to employ high school students at his restaurant as they are cheap employees
- ③ high school students are too young and too inexperienced to be valuable employees
- ④ if students start working at a young age, they are more likely to become businesspeople

[Step 2] Take a position

問3 Now that you understand the various viewpoints, you have taken a position on allowing high school students to work part-time, and have written it out as below. Choose the best options to complete , , and .

Your position: High school students should be allowed to get part-time jobs.

- 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 It is important for students to start earning and saving money as soon as possible
- ② One way to improve communication skills is to work with much older people
- ③ Working at a café, restaurant, or supermarket is a good way to make new friends
- ④ Working from a young age is a valuable experience because it teaches responsibility

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

Outline of your essay:

High school students should be allowed to do part-time jobs	
Introduction	
School work is extremely important for high school students. However, there are many positive aspects to working part-time for them.	
Body	
Reason 1: (From Step 2)	
Reason 2: (Based on Source A)	<input type="text" value="30"/>
Reason 3: (Based on Source B)	<input type="text" value="31"/>
Conclusion	
In summary, high school students should be permitted to take part-time jobs.	

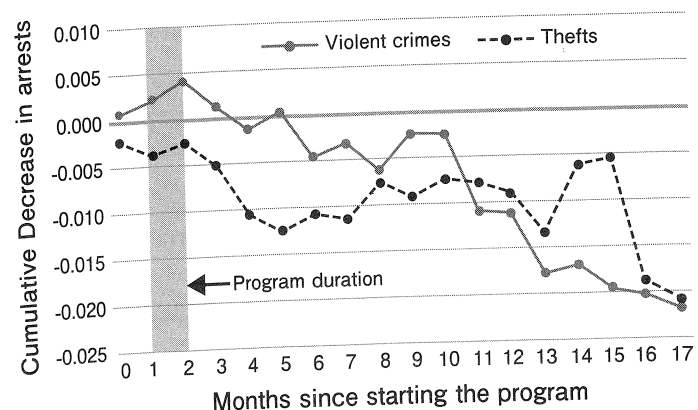
Source A

One reason why many young university graduates struggle to find a suitable job immediately is that many jobs require several years of work experience. However, that is exactly what new graduates lack. A recent survey of jobs listed on a popular employment website showed that 35% of entry-level jobs required at least three years of relevant work experience. These are not technical or specialist jobs, they are jobs that require very few skills. It is this requirement that prevents many capable young people from entering the job market. In times of recession, or when applying for jobs in competitive markets, a few years of work experience can make the difference. This is why teachers and parents should encourage teenagers to take on some work as early as possible. In particular, communication and customer service skills are popular with employers, so a part-time job in a customer-facing role is ideal.

Source B

A study found giving high school students part-time jobs had an effect on their likelihood of committing crimes. Students in a poor, high-crime neighborhood were chosen randomly and given jobs. The graph below shows the change in numbers of arrests for violent crime and theft during and after the program.

Cumulative Difference Compared to Students Without Part-Time Jobs



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

- ① A part-time job as a high-school student will give young people an advantage in the job market even after graduating from university.
- ② Entry-level graduate jobs only employ people who worked in customer service jobs during high school.
- ③ Graduates who enter jobs in specialist careers are more likely to have worked as high school students.
- ④ Students are more likely to be successful at university if they have had some kind of work experience at high school.

問5 For reason 3, you have decided to write, "Working part-time can improve youth crime situations." Based on Source B, which option supports this statement? 31

- ① Arrests for both theft and violent crime rise slightly during the working period, but crime rates start to improve a year later.
- ② Even after their part-time jobs finished, students who were employed were less likely to get arrested for both violent crime and theft.
- ③ While both types of crime drop during the working period, arrests for theft start to rise when the part-time work has finished.
- ④ Working part-time can cut violent crime dramatically, but theft is not affected.

第7問 (配点 15)

In your English writing course, you are required to choose one short story to read. You are reading the following story and making a summary of it to help other students to understand the story line.

The Restructuring that Changed Everything

Isabella Andrews

"Sit still, please," Emily says to her two daughters, smiling. "With you moving so much, I can't paint a picture of you." "I'm sorry, Mum," Marianne replies, with a gentle smile on her face. "Look how far I've come," Emily says to herself.

Five years ago today, Emily had to make an important but difficult decision about her career. She had been working for a well-known advertising firm for six years. Unfortunately, in order to escape bankruptcy, the company was going through restructuring and her position was going to be eliminated. She was offered a new role within the company.

Of course, she was grateful for the opportunity to stay with the company. After all, it was far easier to work where she knew what she was doing. But at the same time, she couldn't help feeling she was being taken advantage of. The new role would mean a significantly lower salary and she would have to work harder to earn as much as she used to.

After contemplating for what felt like forever, Emily decided to turn down the offer and began job-searching. However, it was an incredibly difficult path. She was met with one rejection after another, and her confidence began to fall.

As if that wasn't bad enough, Emily had trouble communicating with her children at home. One day, when she got back home from one of the job interviews, she asked Sarah, her older daughter, what she had done at school, to which she didn't reply. Totally shocked and disappointed, she asked her husband, Nick, why Sarah had behaved the way she did. "It seems your whole life has been revolving around your work, and you've paid far less attention to our daughters than they deserve," he said.

Maybe he was right, she thought. Looking back, she had always told herself that it was her duty to make a decent amount of money for the sake of her daughters, but she now realized that all she was doing was making an excuse for not fulfilling her role as a mother.

"Do you remember you had a dream of becoming an artist?" Nick said. "They would often say that they wanted you to follow your dream." Then, suddenly, she remembered how she had liked art but given up her long-held dream in favor of making money. "If you still have a passion for art, isn't this a good time to pursue it? Don't worry about money." "Thank you, Nick," she said, her eyes brimming with tears.

The next day, Emily told her daughters how sorry she felt, apologizing for her complete failure as a mother. Also she told them about her idea of drawing and painting pictures again. They looked confused at first, but soon their expressions softened. "I guess it'd be good," Sarah said.

After a lot of twists and turns, two years later, she eventually landed a job as an art director for a small advertising agency, which allowed her to combine her passion for art with her experience in advertising. Her salary was not so good, but she found the work considerably more satisfying and fulfilling than in her previous job.

Today, the construction of Emily's small home studio is finally complete. Now, sitting in it with her beloved family, Emily is flooded with a sense of great happiness that would have been unattainable had she not made the difficult decision to change careers. The restructuring, however hard it seemed at that time, was in fact a blessing. Of that, she is absolutely sure.

Your notes:

The Restructuring that Changed Everything1. Characters

● Emily (main character)

▶ She was offered a new position, but she was worried that

32 .

● Sarah and Marianne (Emily's daughters)

● Nick (Emily's husband)

▶ He suggested that Emily 33 .

2. What happens in the story

Emily is offered a new position in the advertising company.

→ 34 → 35 → 36 → 37

3. Some important lessons

• 38

• 39

• Considering one's personal fulfillment when making career decisions is essential.

4. An idiomatic expression we can learn

"Look how far I've come" (first paragraph)

This can be roughly paraphrased as "40!"

問1 Choose the best option for 32 .

- ① she might make less money than she deserved
- ② she would be transferred to another branch
- ③ the company might go bankrupt before long
- ④ the job offered would be very boring

問2 Choose the best option for 33 .

- ① become a full-time mother to compensate for her past mistake
- ② consult with their daughters about job hunting
- ③ stop looking for a job and take a good rest
- ④ try pursuing what she originally wished to do

問3 Choose **four** out of the five options (① ~ ⑤) and rearrange them in the order they happened. 34 → 35 → 36 → 37

- ① Emily decides to start job-hunting.
- ② Emily paints her daughters' picture at home.
- ③ Emily starts to work as a professional painter.
- ④ Nick talks about Emily neglecting her duty as a mother.
- ⑤ Sarah ignores Emily's question about her day at school.

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問4 Choose the best two options for and . (The order does not matter.)

- ① A good balance between work and family life is crucial.
- ② A restructuring is the best option for employees in a struggling company.
- ③ An unfortunate situation sometimes turns out to be beneficial.
- ④ Pursuing your original goal leads to a higher salary in the end.
- ⑤ Spending more time with children than at work is the key to success.

問5 Choose the best option for .

- ① How distant my dream seems
- ② How much time I've wasted
- ③ What an exciting life I've had
- ④ What great progress I've made

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第8問 (配点 14)

You are in a student group preparing for an international presentation contest. You are using the following passage to create your part of the presentation on a popular mushroom.

The earth contains more species of organisms than animal species, including us humans. Typical examples are fungi, of which there are estimated to be 1.5 to 5 million species, compared to only about 1.5 million animal species. This is partly due to the fact that fungi are highly adapted to their environment and can live in a wider range of places than animals. Fungi are also able to reproduce both sexually and non-sexually, which gives them a greater capacity to evolve and diversify. Of all the fungi, perhaps the most familiar to us are mushrooms.

When we were young, we may have seen red and white mushrooms in fairy tales and other stories. There are different opinions as to what these mushrooms are, but the most promising is fly agaric. It has a red pileus (cap) that is typically between 5-15 cm wide and a white stem that can grow up to 20 cm tall. This makes it one of the most easily recognizable types of mushrooms. It is originally from northern Europe, but now it is found in many different regions around the world, ranging from temperate forests to the cold and damp forests of the northern areas.

Fly agaric has played an important role in many cultures and traditions, from being depicted in folklore and fairy tales to being used in religious ceremonies. In some cultures, it was believed to have spiritual and healing powers. The Vikings are said to have used it to feel brave before battle. In Hindu texts, it is mentioned as "soma" and believed to have been used in religious rituals to communicate with the gods.

Fly agaric is attracting attention for its medicinal properties. One of the chemicals that have been recently studied in fly agaric is ibotenic acid. This substance has been linked to learning and memory, and it could be helpful in treating various nervous disorders such as Parkinson's and Alzheimer's

diseases. In addition, fly agaric contains several substances that are being studied for their potential usefulness in the treatment of various organ diseases, including cancer and liver disease.

Fly agaric is also known as *Amanita muscaria* in scientific terms. It is part of the genus *Amanita*, which includes other well-known species like death cap. Fly agaric is a type of fungus called mycorrhizal, which means that it needs a tree to survive. They need each other to exist because the tree absorbs nutrients from the soil through the fungus, while the fungus receives sugars and other nutrients from the tree.

The fly agaric fungus grows beneath the ground, and only the mushrooms, or fruiting bodies, can be seen above ground. It is considered to be an annual fungus, which usually grows once a year and then dies, but the mycelium remains underground and is able to produce new fruiting bodies the following year. The growth and reproduction of fly agaric is closely tied to environmental factors such as temperature, moisture, and light.

The body mechanics of the fly agaric are unique. It has a bright red pileus, which is covered with white spots called scales. It releases tiny single-celled structures called spores that spread into the environment to settle on new growth areas. The spores are white and located on the gills under the pileus. The mushroom stands tall on a thick stem, which is usually white or cream in color, and has a cup-like structure at the base called a volva. It also has a distinctive ring-like structure around the stem called the annulus, which also serves as one of the main characteristics of the mushroom.

Although fly agaric has cultural significance and potential medicinal benefits, it's important to remember that it is a poisonous mushroom. Eating too much of it can lead to serious illness or even death. Therefore, it's essential to be careful and seek advice from professionals before attempting to use fly agaric for any purpose. Nevertheless, the unique qualities of this fungus will continue to fascinate and inspire scientists and mushroom fans alike.

Your presentation slides:

Fly Agaric :
Red and White Mushroom
Known Worldwide

1. Basic Information

- 5 cm to 15 cm in diameter
- up to 20 cm in height
-
-
-

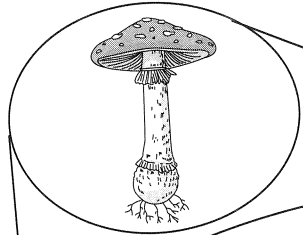
2. Use as Medicine

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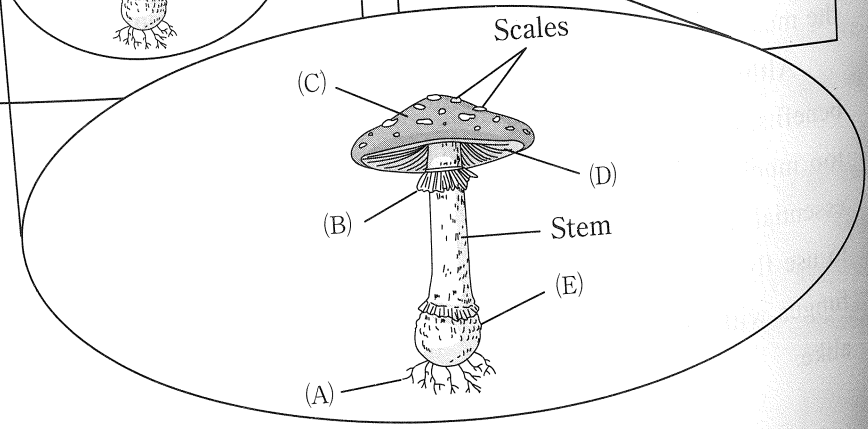
3. Classification

- *Amanita muscaria*
- mycorrhizal
- annual

4. Mechanism



5. Final Statement



問1 Which of the following should you **not** include for ?

- ① appears in folk and fairy tales
- ② approximately 5 million species have been found
- ③ found in both warm and cold forests
- ④ used in religious ceremonies
- ⑤ very easy to recognize

問2 For the **Use as Medicine** slide, select two features of the fly agaric which are most likely true. (The order does not matter.) ·

- ① Fly agaric has been proved to have positive effects on stress and fatigue.
- ② Fly agaric is studied for its possible usefulness in treating some nervous disorders.
- ③ It was believed in some religions that fly agaric was a medicine brought by the gods.
- ④ Some substances in fly agaric might be effective against certain organ diseases.
- ⑤ The Vikings are said to have eaten fly agaric to feel relaxed after fighting.

問3 Complete the missing labels on the illustration of a fly agaric for the Mechanism slide. 44

- | | | |
|----------------|--------------|------------|
| ① (A) Annulus | (B) Mycelium | (C) Volva |
| (D) Pileus | (E) Gills | |
| ② (A) Mycelium | (B) Annulus | (C) Pileus |
| (D) Gills | (E) Volva | |
| ③ (A) Mycelium | (B) Gills | (C) Pileus |
| (D) Annulus | (E) Volva | |
| ④ (A) Pileus | (B) Mycelium | (C) Volva |
| (D) Gills | (E) Annulus | |
| ⑤ (A) Volva | (B) Pileus | (C) Gills |
| (D) Annulus | (E) Mycelium | |

問4 Which is the best statement for the final slide? 45

- ① Fly agaric has traditionally been used as a medicine because it is agreeable to the human sense of taste.
- ② Fly agaric should be more widely used on a daily basis because of its proven healing effects.
- ③ Fly agaric will most likely be used more because it is easily found due to its visual characteristics.
- ④ While fly agaric may be effective for some diseases, it can cause serious health problems if consumed in large quantities.

問5 According to the passage, which statement is true? 46

- ① Fly agaric grows in a square shape mostly underground, with only the fruiting bodies visible above ground. This means that it is probably stronger than any other fungus.
- ② The life cycle of fly agaric is generally not affected by the environment. This enables it to live even in the harsh environment of the northern hemisphere.
- ③ The mycelium can produce new fruiting bodies once a year; fly agaric normally reproduces itself several times a year.
- ④ Trees get nutrients from the soil through fly agaric, and the fly agaric obtains sugars and other nutrients from the trees, so they are dependent on each other for survival.