₫ 入試対策	長文読解	Date :	Name :	
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次は、高校1年生のKeitaがLight Pollution(光害)という題で行ったスピーチです。これを読んで、問1~問6に答えなさい。*印のついている語句には、本文のあとに〔注〕があります。

1

Hello, everyone. Last summer I visited Nagano with my family and stayed at a hotel near the Yatsugatake Mountains. During the night, we were very excited to see so many stars in the dark sky. We were able to see *the Milky Way. It was a wonderful experience!

But can we see many stars here in this city? No, we can't. I sometimes look up at the night sky, but I can see only a stars here. At night, the city is too bright to see the stars. I understand that *artificial light at night makes our life active and safe. But do we really need so much light? I don't think so. After coming back from Nagano, I wanted to know (becoming / difficult / is / it / see / the stars / to / why). I used the Internet to look for more information, and I found the words "light pollution."

*The Ministry of the Environment says light pollution is *hikari-gai* in Japanese. It is *caused by too much artificial light at night. *According to research in 2016, more than thirty percent of people in the world can't see the Milky Way during the night because of light pollution. It also says that about eighty percent of people in North America can't see it, and that the number is about seventy percent for Japan. You may think that losing a dark night sky is not a big problem, but it really is. Actually, light pollution *affects all living things on the earth.

Scientists are studying the *effects of light pollution on animals. *Sea turtles are one example. When sea turtles grow up, they come up to the beach during the night to *lay their eggs. But artificial light makes them B of coming up to the beach, so they can't get to the right place. Also, light pollution is a big problem for baby sea turtles. After coming out of their eggs, baby turtles move *toward the sea by following the moon's *reflection on it. But if there are many lights from hotels and streets near the beach, they will move toward those lights, not toward the sea.

Scientists have also found that light pollution has bad effects on humans. Their research shows that artificial light at night *disrupts our *internal clock and makes some people sick and tired. But health is not the only problem for humans. Many kinds of human activities are affected by light pollution too. For many centuries, humans have *developed sciences like *astronomy by watching the stars.

① However, if there is too much artificial light at night, their work is seriously disrupted. It's sad to think that we may lose these important parts of our culture.

And don't forget the effects of light pollution on global warming. Artificial light needs energy made from *fossil fuels. So if we use more artificial light, more CO_2 will be produced and the earth will become hotter. This will affect all plants and animals on the earth. We should remember that light pollution has become a world environmental problem.

Now we've learned about the effects of light pollution. ② In some places in Japan, people are trying different things to take back our dark night sky. For example, some high school students in Gunma are working hard to reduce light pollution. About six years ago, they started to study this problem in their club activities. Now they work on a *campaign called "Light Down." In this campaign, the students ask people in their city to turn off the lights at home on one August night. "Let's see the stars in the dark night sky," the campaign poster says. Many people are joining this campaign. These students are as young as we are, but they are doing something important. Isn't that amazing?

3 They also say that *driverless cars may help because they won't need many street lights. But there is something simple that everyone can do right now. Can you guess? Yes! Turn off the lights when we don't need them. The effects of light pollution won't go away soon, but we can do this very easily. So let's work together!

Do you want a beautiful night sky that is full of stars? I believe that your answer is "Yes!" So just remember: artificial light should only be used when it's necessary. Bright cities at night may look beautiful, but now we should think about the problems they can cause. Thank you.

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問1 空欄	欄 A , B にあてはまる適切な1語を,それぞれ英語で書きなさい。							
問2 〔	〕内のすべての語句を正しい順序に並べかえて書きなさい。							
問3 下線部	象部 <u>it really is</u> の it がさすものを,本文中から5語の英語で抜き出して書きなさい。							
問4 空欄 記号を2	問4 空欄 ① ~ ③ にあてはまる最も適切な文を、次のア~エの中から1つずつ選び、その記号を書きなさい。なお、同じ 記号を2度以上使うことはありません。							
イ Write	✓ Writers, singers, and artists have also been influenced by the beautiful stars in the night sky.							
	extstyle e							
工 Scier	ntists say t	hat light pollution can be reduced	l if street lights' c	covers have a better design.				
問5 Keita は、スピーチで取り上げた高校生たちが、彼らの取り組むキャンペーンの中でどのようなことをすると述べていますか。日本語で具体的に書きなさい。								
問6 本文の	の内容と合う	うものを,次のア〜カの中から 2つ 選	躍び その記号を書	・聿きかさい				
		e stars in Nagano, but he didn't se						
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ウ Baby	sea turtle	s can't come out of their eggs if t	there are too mar	any people near the beach.				
工 Scier	ntists have	found that artificial light at night	is necessary for	or both human health and culture.				
才 If peo	ople use m	nore artificial light at night, global	l warming will bed	pecome worse.				
カ Keita	isn't sure	that the people listening to him v	want to take back	ck the dark night sky.				
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問 5								
問 6								
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artificial······人工の

cause ~……~を引き起こす

affect ~……~に影響する

toward~……~に向かって

disrupt~……~を混乱させる

sea turtle……ウミガメ

[注]

the Milky Way……天の川

effect·····影響

lay~……~を産む

reflection……反射光

the Ministry of the Environment……環境省

according to research……研究によると

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