


## Reading

Reading	36点	Grammar	33点	Writing	10点	100点
Link	11点	Listening	10点			

TR. 81-85

みなさんは光害 (light pollution) という言葉を知っていますか？

Many people are familiar with the words “water pollution” and “air pollution.” However, the word “light pollution” is much less familiar to people than those two other kinds of pollutions. Light pollution happens when there are artificial\* bright lights in the area. These lights can harm living things, especially animals.

5  Birds are one of the animals affected by light pollution because many of them are attracted to\* bright lights. For example, migrating birds\* flying at night can get lost because of bright lights in a city. The brightest lights come from tall buildings. Birds sometimes fly towards these buildings and hit ①them. Some birds also fly around a bright area again and again. They get so tired that they finally drop from the sky, hit the ground, and die.

🐢 Sea turtles are another animal affected by light at night. These turtles come up from the ocean and crawl\* on beaches at night to lay\* their eggs.  Unfortunately, some of them are hit by cars on the street.

🌿 Because of these harmful\* effects on animals, some countries are trying to reduce  
15 light pollution. For example, Italy has rules which limit the brightness\* of the light from  
streetlights\*.

☼ If you want to know whether the sky in your area is polluted by light, look up at the sky at night. Can you see many stars? If you cannot, that means there may be light pollution. If we create less light, there will be less light pollution. Each of us needs to think about how we can reduce this kind of pollution.

(321 words)

▶ 左の英文を読んで、次の設問に答えなさい。

36点

1 光害の原因は何か、10 字以内の日本語で答えなさい。

(3点)

[illegible]

2 下線部①が指すものを15字以内の日本語で書きなさい。

(5点)

[illegible]

3 ② に、次のア～エを文意が通るように並べかえて入れなさい。

(完答6点)

➤ Some turtles lose their sense of direction and crawl up to the street.

➤ After they finish laying their eggs, they try to go back to the sea.

✧ However, if there are bright street lights near the beach, they may get confused.

**I** To find the way to the sea, the turtles look for light from the moon and stars reflected on the water.

$$( \quad \rightarrow \quad \rightarrow \quad \rightarrow )$$

4 光害を防ぐ取り組みにはどのようなものがあるか、本文中に述べられている例を日本語で書きなさい。(6点)

(6点)

**5** 下線部③を日本語に下さい。

(5点)

6 本文の内容に合っていれば○を，合っていなければ×を書きなさい。

(3点×3=9点)

(a) Light pollution is less harmful to animals than water pollution or air pollution.

(

(b) Birds are likely to be affected by light pollution because many of them have bad eyes. ( )

(

(c) If there is light pollution in your town, you probably cannot see many stars at night.

(

**Word Quiz** 下の定義に合う単語を本文中から探し出し、答えなさい。

(2点)

the space above the earth where the sun, stars, and clouds appear

(注) artificial : 人工の  
lay : (卵) を産む  
be attracted to ... : ...に引き寄せられる  
harmful : 有害な  
brightness : 明るさ  
migrating bird : 渡り鳥  
streetlight : 街灯  
crawl : 這う

## Grammar

## 関係代名詞②

33点

1 関係代名詞を使って、2つの文を1つの文にしなさい。

(3点×2=6点)

1) This is the book. Ms. Collins talked about it yesterday.

2) The man looked like a university professor. I spoke to him.

2 日本文に合う英文になるように、      に適する語を書きなさい。

(完答3点×4=12点)

1) 私はアリスが言うことが理解できなかった。

I couldn't understand            Alice said.

2) あれは彼らが探している子ではないですか。

Isn't that the boy            they are looking            ?

3) 青森で泊まったホテルはすばらしかった。

The hotel            we stayed in Aomori was wonderful.

4) 私たちはトニーという名前の若者に会ったが、彼はとても陽気だった。

We met a young man named Tony,            was very cheerful.

3 日本文に合う英文になるように、(     )内の語句や符号を並べかえなさい。

(5点×3=15点)

1) あなたが知っていることを私たちに話してください。

Please ( know / tell / what / us / you ).

2) 私はセーターを持っていったが、結局それを着なかった。

I took ( a sweater / didn't / I / wear / which / , ) after all.

3) エドが担任の先生に相談をすると、先生は彼にたくさんの助言をしてくれた。

Ed consulted ( him / his homeroom teacher / gave / who / , ) a lot of advice.

## Writing

10点

下の文をもとに、日本語に合う英文を書きなさい。

(5点×2=10点)

驚くべきことは、彼らの技術だ。

What is surprising is their technology.

1) 重要なことは行動 (action) だ。

2) その人々に必要な (necessary) ものは食料だ。

## Link

11点

次は姉妹都市として提携している日本と海外の地名と、提携の始まった年です。下の会話文を読んで、適切なものをそれぞれ線でつなぎなさい。

(完答11点)

Kakogawa (Hyogo Prefecture)	・	Riverside (California, U.S.)	・	1955
Nagasaki (Nagasaki Prefecture)	・	St. Paul (Minnesota, U.S.)	・	2012
Sendai (Miyagi Prefecture)	・	Auckland (New Zealand)	・	1957

Ron: Granpa, look at this table. It shows sister-city affiliations\* between Japanese and foreign cities.

Dan: The letters are too small for me to read. What does the table say?

Ron: The oldest sister-city relationship is between Nagasaki and St. Paul. They became sister-cities in 1955.

Dan: That was a long time ago. I was born just two years after that. Was there any sister-city affiliations started in that year?

Ron: Yes, Sendai became the sister-city of Riverside.

Dan: Oh, really? I've been to Sendai. I liked the place.

Ron: Well, I've been to Kakogawa in Hyogo Prefecture. In 2012, Kakogawa became the sister-city of ...

Dan: Auckland in New Zealand.

Ron: How did you know that?

Dan: I read it somewhere.

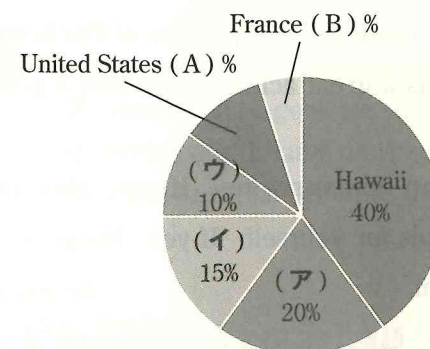
(注) sister-city affiliation : 姉妹都市の提携

## Listening

10点

会話を聞き、円グラフのA, I, U, A, Bを埋めなさい。ただし、A, I, Uはあてはまる語を[     ]内から選びなさい。会話は2度流れます。

(完答10点)



A \_\_\_\_\_ I \_\_\_\_\_

U \_\_\_\_\_

A \_\_\_\_\_ B \_\_\_\_\_

[ Canada Germany Italy ]