



1 次の英文は、19世紀 (the 19th century) の科学者マイケル・ファラデー (Michael Faraday) と、彼がクリスマス (Christmas) にロンドン (London) でおこなった講演 (lecture) について書かれたものです。英文を読んで、各問いに答えなさい。 507200204

Every year at Christmas time in London, famous scientists give lectures for young people.

This is a kind of a science show and young people enjoy it. It started about 180 years ago and it is called the Christmas Lectures.

Do you know about Michael Faraday? He was one of the famous scientists of the 19th century. Even today, we use his ideas in our lives, for example, in *electric motors and generators. He was one of the people who started the Christmas Lectures.

One winter day in 1860, a lot of people came to Faraday's Christmas Lecture. This was his last Christmas Lecture. He was 69 years old then and already very famous. The people thought that he was going to show them something new, but Faraday just *took out a *candle and said, "This is only a candle, but it can show us a lot about the *secrets of *nature."

Faraday was born in 1791. His family was *poor, so he had to start working at a bookshop when he was 13 years old. He was lucky because the *shop owner was kind and he could read a lot of books there. He became interested in science and even tried some *experiments in the books. Doing experiments was exciting for him. He wanted to become a scientist, but did not know how.

One day, a man who often came to the shop gave him a *ticket for a famous scientist's lecture because he (know) that Faraday was very interested in science. Faraday went to the lecture and wrote down every word and all the experiments in his notebook. After this, he made a book about the lecture, and sent it to the scientist with a letter. In the letter, he wrote that he really wanted to study science. The scientist answered the letter and said, "If you want, you can work as my *assistant."

Faraday, now 69 years old, was remembering the exciting *feelings he had when he started his own experiments. At the lecture, he wanted to *share those feelings with the young people there. By doing a lot of interesting experiments, he showed what a candle was made from, how it *burned and why. He showed that it was exciting to learn the secrets of nature in simple things like a candle. The people enjoyed his lecture a lot.

The Christmas Lectures have *continued until today and Faraday's *spirit still *lives on.

*(注) electric motors and generators 電動機 (モーター) や発電機 took out ← take out 取り出す
 candle ろうそく secret(s) 秘密 nature 自然 poor 貧しい
 shop owner 店の主人 experiment(s) 実験 ticket 券 assistant 助手
 feeling(s) 気持ち share 共有する burn(ed) 燃える continue(d) 続く
 spirit 精神 live(s) on 生き続ける

(1) 下線部の () 内の語を、最も適切な形になおして、1語で書きなさい。

(2) 次の(a), (b)の () 内に入る最も適切な1語を、それぞれ本文中から抜き出して書きなさい。

(a) If someone is (), a lot of people know about him or her.

(b) If you study (), you will know a lot of things about nature. It is also one of the subjects you study in junior high school.

(3) 本文の内容について、次の(a), (b)の質問に英語で答えなさい。答えは () に1語ずつ書きなさい。(b)の答えは、本文中から最も適切な部分を1か所抜き出して書きなさい。

(a) Was Faraday born in 1860?

— (), he ().

(b) Who gave Faraday a ticket for a famous scientist's lecture?

— ()()()()()()()() did.

(4) ファラデーについて書かれた次のア～カの文を、本文をもとに、時間の経過にそって古い順に並べかえて、左から順番に記号を書きなさい。

ア He wrote a letter to a famous scientist.

イ He started working at a bookshop.

ウ He became interested in science.

エ He gave his last Christmas Lecture.

オ He became a famous scientist.

カ He became an assistant for a famous scientist.

(5) 本文の内容と合っているものを、次のア～オから1つ選び、記号を書きなさい。

ア The people were not happy because Faraday used a candle in the lecture.

イ Faraday started working at a bookshop because he didn't want to go to school.

ウ Faraday tried to learn about the secrets of nature only by reading books.

エ The people who understood Faraday gave him chances to become a scientist.

オ At the lecture, Faraday wanted to show that studying science was very difficult.

(6) 本文の内容を簡潔にあらわしているものとして最も適切なものを、次のア～オから1つ選び、記号を書きなさい。

ア Faraday and his friends in London イ Faraday, the person who made candles

ウ Faraday, his life and his message エ Faraday and his family in London

オ Faraday and his bookshop in London

(7) 美保さんは、この英文を読んだ日に、下のような英文の日記を書きました。文章全体が自然な流れになるように、下線部①、②の日本語を、①は英語8語以内、②は英語10語以内で書きなさい。she'sなどの短縮形は1語として数え、符号は語数に含めません。ピリオド(.)などの符号もはっきりと書きなさい。

I became interested in Michael Faraday. My teacher said, "There is a book which tells us about his last Christmas Lecture." ①私はその本を読んだことはありません。 So I would

like to read it. ②私は明日図書館に行くつもりです。 I want to know about the experiments he did at the lecture.