

1 次の英文は、中学生の都 (Miyako) が英語の授業で書いた作文である。これを読んで、問1～問9に答えよ。

This summer, I thought about \*solar power and \*electricity. During the summer vacation, I went to an event with my eleven-year-old brother. Some volunteers taught us how to make small solar cars there. We used a paper box for each car. We put a small \*solar panel and four \*wheels on the box. It also needed a small \*motor to run. We put some pictures on the car to make it nicer. After we ①(finish), we went outside. We put the cars on the ground and watched them. 【 A 】 When they got light from the sun, they started moving. Before this event, I only knew that the sun has power. In this event, I really understood that we can make electricity by using the power of the sun. I was very surprised. Our little solar cars really ran. It was ②a very exciting experience for me and my brother.

My house has some solar panels on its \*roof. If they get light from the sun, they can make electricity. That electricity is used for the lights in my house and it is also used for making our rooms cool or warm. This makes our life very \*comfortable. Solar panels help us a lot. 【 B 】 After the event about solar cars, I often see solar panels on the roofs of many houses in our town. Many people are using solar power.

I heard that people are thinking about the way to make electricity. ③A friend of my mother is trying to put more solar panels on \*buildings in her town. When I visited her this summer, she told me about it. In that town, people usually use electricity from a big \*power plant which is in another town. That electricity is made by using \*limited \*energy sources. Also, it is hard to send it when the power plant has \*trouble. These are the problems which people in the town have.

【 C 】 They want to make their electricity \*by themselves to \*solve these problems. Many people are working together as a team to do this. People living or working in the town and teachers who know much about solar power are the members of the team. Before, they didn't know each other well, but now, they talk a lot and help each other. They have the same goal. They have worked very hard to make their own electricity. From this experience, they learn more about electricity than before and ④[(ア) made / (イ) of / (ウ) the importance / (エ) understand / (オ) electricity] by themselves.

Solar power is not limited and we will use it more in the future, but we have to look at some ⑤ points of using solar power, too. It is not perfect. For example, we need money to put solar panels on the roofs, and they may have trouble in the future. Also, they cannot make much electricity on cloudy days. If you have a lot of snow in winter, they cannot get light from the sun. These points are not good when you want electricity made by using solar power.

It is important to know that there ⑥(be) some different ways to make electricity. We can use energy sources which are not limited. 【 D 】 Wind power is another one. Now I understand that we can choose to use these kinds of energy sources for making our lives better. We will be able to use new \*technology or find new energy sources in the future, too. Also, it is very important to learn about electricity from our own experiences. For example, I learned a lot about solar power at the event about solar cars. My mother's friend is trying very hard with other people to put more solar panels on buildings in her town. If you have experiences like these, you will be more interested in electricity and learn more about it. Now, I know that most of the electricity used in my house is made by using solar power. I don't want to forget how important the electricity we use is and I will study more about the different ways to make electricity.

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|-------------------------|----------------------|-----------------------|
| (注) solar 太陽の, 太陽光を利用した | electricity 電気       | solar panel 太陽光発電用パネル |
| wheel 車輪                | motor モーター           | roof 屋根               |
| comfortable 快適な         | building 建物          | power plant 発電所       |
| limited 限りある            | energy source エネルギー源 | trouble トラブル          |
| by themselves 彼ら自身によって  | solve ~ ~を解決する       | technology 科学技術       |

問1 下線部①(finish)・⑥(be)を、文意から考えて、それぞれ正しい形にかえて1語で書け。

問2 次の英文を本文中に入れるとすればどこが最も適切か、本文中の【 A 】～【 D 】から1つ選べ。  
Solar power is one of them.

問3 本文の内容から考えて、下線部②について述べたものとして最も適当なものを、次の(ア)～(エ)から1つ選べ。

- (ア) 夏休みに、太陽光発電で動く車に弟と一緒に乗り、隣の町まで移動した体験。
- (イ) 夏休みに、太陽光発電で動く車に関するイベントを宣伝する活動に参加した体験。
- (ウ) 夏休みに、太陽光発電で動く車のレースを、弟と一緒に見学した体験。
- (エ) 夏休みに、太陽光発電で動く車の模型を自分たちで作り、実際に走らせた体験。

問4 次の英文は、下線部③に関して説明したものである。これを読んで、下の問い(a)・(b)に答えよ。

The town of Miyako's mother's friend has a  to put more solar panels on the buildings. The members of the  didn't know each other well, but now, they talk and help each other. They are working very hard  they want to solve some problems about the electricity made in a big power plant which is in another town.

- (a) 本文の内容から考えて、・に共通して入る語として最も適当なものを、本文中から1語で抜き出して書け。
- (b) 本文の内容から考えて、に入る語として最も適当なものを、次の(ア)～(エ)から1つ選べ。  
(ア) because      (イ) but      (ウ) if      (エ) so

問5 下線部④の[      ]内の(ア)～(オ)を、文意が通じるように正しく並べかえ、記号で書け。

問6 本文の内容から考えて、に入る語として最も適当なものを、次の(ア)～(エ)から1つ選べ。

- (ア) bad      (イ) cold      (ウ) good      (エ) perfect

問7 本文の内容に合うように、次の質問(a)・(b)に対する適当な答えを、下の〈条件〉にしたがい、それぞれ英語で書け。

- (a) What did Miyako do to make her small solar car nicer?
- (b) Does Miyako think she will study more about the different ways to make electricity?

〈条件〉 ・(a)は5語以上9語以内で書くこと。  
・(b)は3語で書くこと。

問8 本文の内容と一致する英文として適当なものを、次の(ア)～(オ)から2つ選べ。

- (ア) Miyako didn't know that the sun has power before the event about solar cars.
- (イ) Miyako knows that the electricity made by solar panels makes her life comfortable.
- (ウ) Miyako learned that people need more big power plants to make their lives better.
- (エ) Miyako understands that people have some choices about making electricity.
- (オ) Miyako doesn't think that people will be able to use new technology in the future.

問9 次の英文は、この作文を読んだ実紀(Miki)が留学生のベン(Ben)と交わしている会話の一部である。これを読んで、下の問い(a)・(b)に答えよ。

Ben : After the event about solar cars, Miyako found  which have solar panels on their roofs. Many people are using solar power and they may think about electricity.  
Miki : She started thinking about electricity and the way to make it through her own experience, right?  
Ben : Right. Also, people in the town of her mother's friend learned about electricity by working together.  
Miki : From these two examples, Miyako understood that  .  
Ben : Yes. I'm sure that she did. I think we should try many things to learn more.

- (a) に入る表現として最も適当な部分を、本文中から2語で抜き出して書け。
- (b) に入る表現として最も適当なものを、次の(ア)～(エ)から1つ選べ。  
(ア) it's difficult to work with other people to make the electricity which is used in the town  
(イ) it's important to have experiences that make us more interested in something  
(ウ) it's necessary to make our lives comfortable by making electricity in a big power plant  
(エ) it's interesting to know about new things by using solar power in many different ways

