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Start Up

レベッカと照十^{てると}が進路について話しています。英語を聞いて、質問に答えましょう。

Listen and answer the question.

Rebecca: What do you want to study in university?
 Teruto: I want to study robotics.
 Rebecca: Robotics? Wow!
 Teruto: Today we are often helped by robots. But many of them still need to be controlled by humans. I think robots will be developed to do more things on their own and I want to help develop them.
 Rebecca: I guess many people will be pleased if robots can do more for us by themselves, because we can live a safer and more comfortable life. So, you plan to be a robotic engineer in the future?
 Teruto: Yes. I want to make useful robots for people.

Q What does Teruto plan to do in the future?

— He plans to be a (robotic) (engineer) and make useful robots for people.

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Study Point 1 受動態のまとめ

- | | |
|----------------------------|--|
| 1. 今日、私たちはよくロボットに助けられています。 | 1. Today we are often helped by robots. |
| 2. この仮設住宅は段ボールでできています。 | 2. This temporary house is made of cardboard. |

▶ 《主語+be-動詞+過去分詞(+by ...)》で「主語は(...によって)~される」と受動態を表します。

Check 1 ()内の動詞を適切な形にしましょう。
Change the verb in parentheses to make the correct form.

- Today we (help) by computers in many ways. **are helped**
- NASA (know) to all space scientists in the world. **is known**
- He (interest) in scientific phenomena. **is interested**

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Study Point 2 助動詞+受動態

- | | |
|---|---|
| 1. もしロボットが私たちのためにもっと多くのことができると、多くの人が喜ぶでしょう。 | 1. Many people will be pleased if robots can do more for us. |
| 2. さらなる科学の発達で私たちは助かります。 | 2. We can be helped by the further development of science. |

▶ 助動詞を含む文の受動態は、《助動詞+be+過去分詞》で表します。

Check 2 ()内から適切なものを選びましょう。
Choose the correct words.

- People will (please, **be pleased**) if robots can do more things.
- Patients can (save, **be saved**) by new medical techniques.
- Many diseases (are cured, **will be cured**) by genetic research in the future.



EXERCISES

Step 1

日本語に合うように、空所に適語を補いましょう。
Fill in each blank with the appropriate word.

- 携帯電話は日常の道具として多くの人に使われています。
The cell phone (is) (used) as an everyday tool by many people.
- エジソンは発明の父の一人として知られています。
Edison (is) (known) (as) one of the fathers of invention.
- 私は遺伝子工学に興味があります。
I (am) (interested) (in) genetic engineering.
- 医療技術の発達によって多くの命を救うことができます。
Many lives (can) (be) (saved) by advancements in medical technology.
- 食料不足は生物工学によっていつか解決されるかもしれません。
Food shortages (may) (be) (solved) someday by biotechnology.

Step 2

日本語の意味になるように、()内の語句を並べかえましょう。
Rearrange the words in the appropriate order.

- あなたは科学のどういった分野を勉強することに興味がありますか。
What area of science (are / in / interested / you) studying? **are you interested in**
- 患者を助けるのに使える新しい医療技術を学びたいです。
I want to learn new medical techniques which (be / can / help / to / **can be used to help**) patients.
- 今は遺伝子の検査で人が将来かかるかもしれない病気が見つけれられるそうですね。
I hear that today some diseases which a person might suffer from in the future (be / by / can / found) examining his or her genes. **can be found by**
- これから先、新しい技術がさらに開発されるだろうと思います。
I think (be / developed / new techniques / will) further from now on. **new techniques will be developed**
- そうした技術が適切に使われるといいと思います。
I hope those techniques (appropriately / be / used / will). **will be used appropriately**

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Try It!

▶ 手術用ロボットの開発について賛成か反対か、あなたの意見を発表しましょう。
Are you for or against the development of robots for surgical operations? Express your opinion.

- 例 I'm for the development of robots for surgical operations. I have two reasons. First, robots never get tired, so they can work long hours during an operation. Second, they are very accurate, so operations can be done more safely. For these reasons, I'm for the development of robots for surgical operations.