**Exercise 2**

1. Railroads too are controlled by **automatic** signaling devices.
2. The **agriculture** industry may become more mechanized, especially in the processing and packaging of foods.
3. In beverage and canned food industries some of the products are produced in **batches**.
4. When a steel furnace is charged and brought up to heat a very little [**automation**](https://lms.kgeu.ru/mod/page/view.php?id=50187) is needed.
5. The ingots are processed **automatically** into sheet or structural shapes.
6. The automobile and other consumer product industries use the mass production **techniques** of step-by-step manufacture and assembly.
7. Most of the modern industries use **automated** machines in all or parts of their manufacturing processes.
8. Each industry has a concept of [**automation**](https://lms.kgeu.ru/mod/page/view.php?id=50187) that fits its particular production needs.
9. More examples of **automation** can be found in almost every phase of commerce.
10. The widespread use of [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) and its **influence** on daily life provides the  concern expressed by many about the influence of [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) on society and the individual.

**Exercise 3**

1. All industries are highly automated or use [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) technology in some part of their operation.

**no does not match the text because automation use not in all industries but in many.**

1. In communications and especially in the telephone industry, dialing, transmission, and billing are all done manually.

**no does not match the text because all works in these industries done automatically**

1. Railroads are controlled by automatic signaling devices.

**yes, matches the text**

1. Agriculture, sales, and some service industries are easy to automate.

**no does not match the text because in the text: «agriculture, sales, and some service industries are difficult to automate»**

1. Doctors consult a computer to assist in diagnosis and computer also make the final decision and prescribe therapy.

**no does not match the text because in the text: «doctors may consult a computer to assist in diagnosis, but they must make the final decision and prescribe therapy».**

1. The concept of [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) is growing rapidly.

**yes, matches the text**

1. In petrochemical industry an array of automatic-control devices are used to control valves, heaters, and other equipment.

**yes, matches the text**

1. The [automobile industry](https://lms.kgeu.ru/mod/page/view.php?id=51537) uses the mass production techniques of step-by-step manufacture and assembly.

**yes, matches the text**

1. In auto industry the volume of power consumed is essential to the definition of [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187).

**no does not match the text because in the text: «…transfer machines are essential to the definition of** [**automation**](https://lms.kgeu.ru/mod/page/view.php?id=50187)**»**

1. The widespread use of [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) doesn’t influence our daily life.

**no does not match the text because in the text «the widespread use of automation and its influence on daily life provides the basis for the concern expressed …»**

**Exercise 4**

1. Mechanization is often used to refer to the simple replacement of human labor by machines.

**(Механизацию часто сравнивают с простой замены человеческого труда машинами.)**

1. [Automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) generally implies the integration of machines into a self-governing system.

**(Автоматизация обычно подразумевает интеграцию машин в самоуправляемую систему.)**

1. [Automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) has revolutionized those areas in which it has been introduced.

**(Автоматизация произвела революцию в тех областях, в которых она была внедрена.)**

1. There is scarcely an aspect of modern life that has been unaffected by [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187).

**(Едва ли есть аспект современной жизни, на который бы не повлияла автоматизация.)**

1. The term [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) was coined in the [automobile industry](https://lms.kgeu.ru/mod/page/view.php?id=51537) about 1946 to describe the increased use of automatic devices and controls in mechanized production lines.

**(Термин автоматизация был придуман в автомобильной промышленности примерно в 1946 году для описания все более широкого использования автоматических устройств и средств управления на механизированных производственных линиях.)**

1. The origin of the word is attributed to D.S. Harder, an engineering manager at the Ford Motor Company.

**(Происхождение этого слова приписывается Д.С. Хардеру, техническому менеджеру Ford Motor Company.)**

1. In general usage, [automation](https://lms.kgeu.ru/mod/page/view.php?id=50187) can be defined as a technology concerned with performing a process by means of programmed commands combined with automatic [feedback](https://lms.kgeu.ru/mod/page/view.php?id=50190) control to ensure proper execution of the instructions.

**(В общем случае автоматизацию можно определить, как технологию, связанную с выполнением процессов с помощью запрограммированных команд в сочетании с автоматическим контролем обратной связи для обеспечения правильного выполнения инструкций.)**

1. The automatic system is capable of operating without human intervention.

**(Автоматическая система способна работать без вмешательства человека.)**

1. Advanced systems represent a level of capability and performance that surpass in many ways the abilities of humans to accomplish the same activities.

**(Продвинутые системы представляют собой уровень возможностей и производительности, который во многих отношениях превосходит способности людей выполнять те же действия.)**