

English - language of science

Chemistry and English are closely related to each other. English is the main language of science and technology, and many chemical terms and names of concepts have been borrowed from English. For example, words such as “hydrogen” (H_2), “oxygen” (O_2), “carbon” (C) - they all came from English and are used in chemistry to refer to chemical elements. English is also used in chemical formulas to refer to various chemical compounds. For example, “ H_2O ” stands for water, “ $C_6H_{12}O_6$ ” for glucose, “NaCl” for table salt, and “ $CuSO_4$ ” for copper sulfate.



Moreover, English is used in chemistry to refer to chemical reactions and to describe methods and processes such as “distillation” (дистилляция) and “crystallization” (кристаллизация). These terms are widely used in laboratories and production processes.

This international language is also used in scientific articles and publications to describe the results of experiments and research. In addition, scientific journals and conferences are usually in English, which makes it an important language for communication between scientists around the world. Also, most of the scientific resources and literature on chemistry are available in English.

Recently, in January 2023, a very important article was published in English in the scientific journal “Nature Chemistry”, where authors from China, the USA and the UK described a new method for the synthesis of organometallic (металлорганических) frameworks. The study caused a wide resonance in the professional environment.



And those who knew English were among the first who were able to try out the new method. It is important for scientists and researchers to be able to communicate and collaborate with colleagues from other countries. Knowledge of English facilitates international scientific cooperation.

Thus, English plays an important role in chemistry, as it is the main language for describing and understanding chemical processes and phenomena. It is necessary for the exchange of knowledge, scientific research and the development of chemistry as a science.

PROJECT

Make a survey among scientists working in the chemical field in your area to find out their opinion about using English in their work. Mention the following:

- in what cases English is used (scientific articles, conferences, etc.);
- advantages of using English in chemistry;
- problems of using English in chemistry.

Analyze the information and present your results using the infographics.

QUESTIONS:

1. Why is English the language of science?
2. What do you know about ESP (English for Specific purposes)?
3. What are the benefits of using English in chemistry?