

The structure and evaluation system of the chemistry entrance test

The entrance exam in chemistry is designed to reveal the applicant's knowledge of the subject in the scope of the general secondary school curriculum and is conducted in the form of computer testing.

A periodic table, a solubility table, a range of metal activity, and a calculator are allowed on the chemistry exam.

The work consists of 2 parts and includes 50 tasks.

Part of the work	Number of tasks	Score for one task	Maximum score	Task type
Part 1	20	0,5	10	Answers, of which only one is correct
Part 2	30	3	90	Answers, of which there may be one or more correct ones
Total	50		100	

Part 1 includes 20 tasks. Each question has 4 possible answers, of which only one is correct. One point is awarded for each correctly completed task.

Task number	Example of a task	Example of a task with an answer	The number of points for a correct answer
1-20	Basic salt is Select one: <input type="radio"/> magnesium hydroxocarbonate <input type="radio"/> calcium hydroxide <input type="radio"/> potassium hydride <input type="radio"/> sodium hydrosulfate	Basic salt is Select one: <input checked="" type="radio"/> magnesium hydroxocarbonate <input type="radio"/> calcium hydroxide <input type="radio"/> potassium hydride <input type="radio"/> sodium hydrosulfate	0,5

Part 2 consists of 30 tasks. For each task, 5 possible answers are given, of which there may be one or more correct ones. Three points are awarded for each correctly completed task. The task is considered completed correctly if the answer completely matches the standard answer. Intermediate points are not provided for the tasks of part 2. If there is at least one superfluous or missing one necessary answer, 0 points are awarded.

Task number	Example of a task	Example of a task with an answer	The number of points for a correct answer
21-50	Glycerol tristearate is characterized by reactions Select one or more: <input type="checkbox"/> Esterification <input type="checkbox"/> Acid hydrolysis <input type="checkbox"/> Neutralization <input type="checkbox"/> Hydrogenation <input type="checkbox"/> Alkaline hydrolysis	Glycerol tristearate is characterized by reactions Select one or more: <input type="checkbox"/> Esterification <input checked="" type="checkbox"/> Acid hydrolysis <input type="checkbox"/> Neutralization <input type="checkbox"/> Hydrogenation <input checked="" type="checkbox"/> Alkaline hydrolysis	3

Thus, if all two types of tasks are completed correctly, the examinee receives 100 points.

To prepare for the chemistry exam, it is recommended to use the basic textbooks offered for chemistry training in secondary schools.

Task number	Example of a task	Example of a task with an answer	The number of points for a correct answer
21-50	<p>Hormones are characterized by:</p> <ul style="list-style-type: none"> <input type="checkbox"/> They have only a stimulating effect <input type="checkbox"/> High biological activity <input type="checkbox"/> Specificity of action <input type="checkbox"/> Distance <input type="checkbox"/> Peptide and erythrore nature 	<p>Hormones are characterized by:</p> <ul style="list-style-type: none"> <input type="checkbox"/> They have only a stimulating effect <input checked="" type="checkbox"/> High biological activity <input checked="" type="checkbox"/> Specificity of action <input checked="" type="checkbox"/> Distance <input type="checkbox"/> Peptide and erythrore nature 	3

Thus, if all two types of tasks are completed correctly, the examinee receives 100 points.

To prepare for the biology exam, it is recommended to use the basic textbooks offered for biology training in secondary schools.