

1st control test in Chemistry for BMC I students

October 6, 2025 Monday, 6 p.m.

You are required to go to the assigned lecture hall. No late show up, no early leave (min. 55 min).

What you need: a blue pen (no pencil), a SIMPLE calculator, PICTURE I.D.

What *strictly forbidden is*: any kind of electronic device (mobile phone, tablet, scanner pen, spy pen)

The test will include the topics of the first semester week 1-4 lectures and seminars.

The topic for the second lecture in week 4 is no longer included.

Places of the SCT1: Gr. 1, 2, 3, 4:	Learning Center,	Lecture Hall 014
Gr. 5,6,7, 8:	Augusta Building,	Lecture Hall
Gr. 9, 10, 11, 12:	Theoretical Building,	Lecture Hall

Measurements (McMurry pp.39-56). Physical and chemical properties (McMurry pp.72).
Matter: Elements (McMurry pp.68-74). Mixtures and compounds. Chemical formulas. Naming chemical compounds (McMurry pp. 91-102, 163-164)
The atomic theory. Structure of the atom, nuclear arithmetic. Atomic, molecular and molar mass relationships. (McMurry pp.75-88)
Percent composition and empirical/molecular formulas. Chemical equations, stoichiometry (McMurry pp.118-136)
The electromagnetic spectrum. Atomic spectra. The Bohr model of hydrogen atom. The quantum mechanical model of atom (McMurry pp.196-218)
Electron configurations and the periodic table. Classification of the elements. Periodic trends. (McMurry pp.218-228, 243-254)
Summary of general chemistry 1
Textbook: McMurry: Chemistry 8 th edition, Global edition