

Attn. BMC II students

Information about your FIRST SELF CONTROL TEST in Chemistry:

LOCATION: IVDI LECTURE HALL

TIME: 30th of January, 2026

STARTS AT 4 P.M. ENDS AT 5.10 P.M. (70 minutes)

PLEASE ARRIVE BY 3. 45 P.M. and bring a photo ID, a calculator, dark pens.

Topics covered

McMurry 8th edition:

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

Helpful sources:

Textbook:

1. **Chemistry by McMurry, Fay, and Robinson**
2. **Lectures and seminar slides**

The test will include:

- 30 multiple choice test questions for 51 points

- a second module for 49 points (worked examples, calculations, terms, and definitions, fill in gaps, fill in tables, etc.)