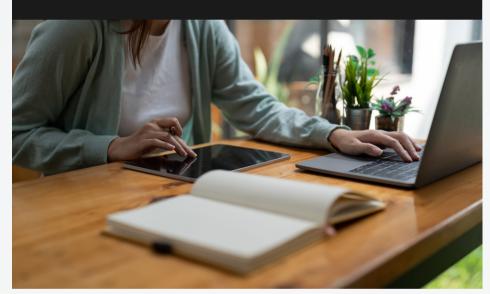
JANA PISK: GENERAL AND INORGANIC CHEMISTRY

Course content



Acquiring mainly theoretical but also experimental knowledge of properties and structure of matter, nature of the chemical bond, laws of chemical processes; writing a balanced chemical equation by analyzing changes that accompany a certain chemical process; performing stoichiometric calculations.

- 1. distinguish pure substances from mixtures;
- 2. quantitatively express the composition of substances and mixtures;
- 3. distinguish between a physical change and a chemical change;
- 4.relate properties and reactivity of the element with its position in the periodic table of elements;
- 5. qualitatively describe the models of ionic, covalent and metallic bonding;
- 6. describe changes (qualitatively and quantitatively) occurring during a phase transition;
- 7. qualitatively describe the concept of intermolecular forces;
- 8. relate the structure of matter with its properties;
- 9. qualitatively and quantitatively describe changes that accompany a certain chemical process by writing a balanced chemical equation.

Learning outcomes