

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

