

# CHEMISTRY FOUNDATION COURSE - CURRICULA -

## Organic chemistry

- The theory of the structure of organic compounds of Butlerov
- Alkanes
- Alkenes
- Alkynes
- Alkadienes
- Cycloalkanes
- Alcohols
- Carbonyl compounds. Aldehydes, ketones
- Carboxylic acids
- Benzene and its homologues
- Phenol. Aromatic alcohols
- Benzaldehyde
- Benzoic acid
- Amines
- Aniline
- Amino acids
- Carbohydrates
- Lipids

## Inorganic chemistry

- A subgroup of halogens
- A subgroup of oxygen
- Subgroup of nitrogen
- The subgroup of carbon
- A subgroup of boron
- Elements 1 and 2 of the groups of the main subgroups
- d-elements

## General chemistry

- The atom. The structure of the atom
- The periodic system of chemical elements D.I. Mendeleev
- The main classes of inorganic compounds
- Chemical bonding
- Redox reactions
- Chemical kinetics. The concept of direct and reverse reactions

Exam drills



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