1. Transformation of aromatic aldehydes to alcohol and salt at reacting with KOH
   A) Markovnikov reaction
   B) Fridel-Krafts reaction
   C) Konovalov reaction
   D) Favorsky reaction
   E) Kanniccaro reaction
2. Oxides of arsenium
   A) As_2O_3, As_2O_7
   B) As_2O_3, As_2O_5
   C) As_2O_5, As_2O_7
   D) AsO_3, AsO_7
   E) As_2O_5, AsO_7
3. Water and oxygen under the conditions of 25 ^{O}C and 1 atm
   A) both are solids
   B) liquid and gas
   C) both are gases
   D) gas and solid
   E) both liquids
4. Chemical formula of butyl aldehyde
   A) C_4H_8O
   B) C_4H_7O
   C) C_4H_6OH
   D) C_4H_9OH
   E) C_4H_8OH
5. The amount of carbon needed to form 88 g of CO_2
   A) 1 mol
   B) 2.5 mol
   C) 3 mol
   D) 3.5 mol
   E) 2 mol
6. To obtain a water molecule, 16 g of oxygen should interact with
   A) 1 g of hydrogen
   B) 0.5 g of hydrogen
   C) 2 g of hydrogen
   D) 4 g of hydrogen
   E) 0.04 g of hydrogen
7. Find the amount of HCl needed to completely neutralize of 2 liters of 1.5 mol/L KOH aqueous solution
   A) 4 mol
   B) 2 mol
   C) 1.5 mol
   D) 3 mol
   E) 5 mol

8. Formula of potassium hypochlorite
   A) $KClO_2$
   B) $KClO_3$
   C) $KClO_7$
   D) $KClO_4$
   E) KClO
9. Statement that can not be applied to nitrobenzene
   A) heavier than water
   B) well soluble in water
   C) in industry, is used almost solely to produce aniline
   D) colourless liquid under the standard conditions
   E) can be used as solvent for some substances
10. The common formula of alkadienes
   A) C_nH_{2n-1}
   B) C_nH_{2n+1}
   C) C_nH_{2n+2}
   D) C_nH_{2n-2}
   E) C_nH_{2n}