FSBEI HE TVER STATE MEDICAL UNIVERSITY MINISTRY OF HEALTH OF RUSSIA

DEMONSTRATION TICKET CHEMISTRY (test control)

In questions 1-50, choose one or more correct answers.

 Determine while lacks one electron Na 			the series in the grou hell. 4) Mg	nd state
2. Among the listed elements, select the element that exhibits an oxidation state of +1 in compounds.				
1) Na	2) S	3) F	4) Mg	
3. The ionic type of bonding is characteristic for 1) oxygen 3) carbon dioxide (IV)				
2) water	4) sodium chlo	oride		
4. Which of the metals displaces iron from a solution of iron (II) sulfate?				
1) Cu	2) Zn	3) Sn	4) Hg	
5. Precipitation accompanies the interaction of ions 1) Ag ⁺ and PO4 ³⁻ 3) H ⁺ and SO4 ²⁻ 2) Ca ²⁺ and Cl ⁻ 4) Na ⁺ and S ²⁻				
6. Hydrochloric acid reacts with				
1) NaHCO ₃	3) SiO ₂			
2) Hg	4) S			
7. Select the oxides that <u>do not react</u> with water to form an acid.				
1) P_2O_5	2) SO2	3) SiO2	4) CO	5) CO2
9. The reaction is 1) KCl and I ₂ 2) NaBr and I ₂ 3) KBr and Cl ₂ 4) NaF and Cl ₂	possible when i	nteracting		

- 9. A substance with the formula Na[Al(OH)₄] is
- 1) an acid
- 2) a base
- 3) a salt
- 4) an oxide
- 10. Formic (methanoic) acid reacts with
 - 1) sodium chloride
 - 2) sodium hydrosulfate
 - 3) ammoniacal silver oxide solution
 - 4) nitrogen oxide (II)
 - 5) ethanol
- 11. When ethylene reacts with water in the presence of a catalyst, it forms
- 1) an acid
- 2) an aldehyde
- 3) an alcohol
- 4) a simple ether
- 12. The reaction is impossible when interacting
- 1) propene and water
- 2) acetylene and water
- 3) ethanal and water
- 4) toluene and water

(and so on up to №50)