A) reaction equilibrium does not change;
B) the reaction equilibrium will shift to the right;
C) the reaction equilibrium will shift to the left;
D) becomes non-equilibrium;
E) the reaction will become equilibrium.

18. In the system: $2NO\ (gas) + O_2\ (gas) \leftrightarrow 2NO_2\ (gas)$, where $\Delta H < 0$, the increase in pressure will affect the equilibrium in the following way:
A) reaction equilibrium does not change;
B) the reaction equilibrium will shift to the right;
C) the reaction equilibrium will shift to the left;
D) the reaction will become non-equilibrium;
E) the reaction will become equilibrium.

19. In the system: $2NO\ (gas) + O_2\ (gas) \leftrightarrow 2NO_2\ (gas)$, where $\Delta H > 0$, the temperature increase will affect the equilibrium as follows:
A) reaction equilibrium does not change;
B) the reaction equilibrium will shift to the right;
C) the reaction equilibrium will shift to the left;
D) the reaction will become non-equilibrium;
E) the reaction will become equilibrium.

20. In the system: $H_2O\ (liquid) \leftrightarrow H_2O\ (gas)$, where $\Delta H > 0$, the increase in pressure will affect the equilibrium as follows:
A) reaction equilibrium does not change;
B) the reaction equilibrium will shift to the right;
C) the reaction equilibrium will shift to the left;
D) the reaction will become non-equilibrium;
E) the reaction will become equilibrium.

21. In the system: $H_2O\ (liquid) \leftrightarrow H_2O\ (gas)$, where $\Delta H > 0$, - an increase in temperature will affect the equilibrium as follows:
A) reaction equilibrium does not change;
B) the reaction equilibrium will shift to the right;
C) the reaction equilibrium will shift to the left;
D) the reaction will become non-equilibrium;
E) the reaction will become equilibrium.

22. In an exothermic reaction with increasing temperature, the equilibrium is shifted to the side:
A) formation of the starting materials;
B) formation of reaction products;
C) direct reaction;
D) formation of intermediate products;
E) the reverse reaction.

23. In the endothermic reaction with increasing temperature equilibrium is shifted to the side:
A) formation of the starting materials;
B) formation of reaction products;
C) direct reaction;
D) the formation of by-products;