

1. F, T, T, F, F, F, T, F
2. 0.012
3.  $-1/3$   
 $+1$   
 $-1$
4.  $\text{H}_2\text{N}_2\text{O}_2 + 2 \text{H}_2\text{O} + 2 \text{Cl}_2 \rightarrow 2 \text{HNO}_2 + 4 \text{H}^+ + 4 \text{Cl}^-$
5. 56.3
6.  $\text{OH}^- + \text{HClO}_2 \rightarrow \text{H}_2\text{O} + \text{ClO}_2^-$
7.  $\text{MnO}_4^-$   
 $\text{Cr}^{2+}$
8.  $\text{CO}_2$  or  $\text{SO}_2$  or  $\text{SO}_3$  or  $\text{HCl}$  or other possibilities  
 $\text{Ca}(\text{NO}_2)_2$
9.  $\text{AgCl}$ ,  $\text{PbCl}_2$   
 $\text{K}^+$ ,  $\text{ClO}_4^-$ ,  $\text{NO}_3^-$
10. P  
GF