

1. F, F, T, F, F, T, T, T, F, F
2. 0.254
3. 6.54
4. T, F, T
5. 1.41×10^{-5}
6. neither
decrease
increase
positive
7. 6.5×10^{-6}
8. 349.1
9. $k[\text{SO}_3^-][\text{OH}^-]$
OH, SO_3^-
both
10. -44.76
11. $\text{PF}_5(g)$
 $\text{AsH}_3(g)$
12. 0.109