

pg 265 # 1-5, 7-11, 13-15, 18-19, 22-26, 27, 30, 31, 35, 37, 44, 45

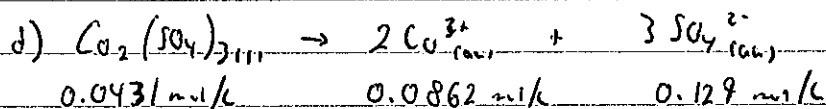
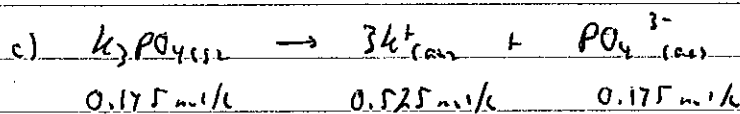
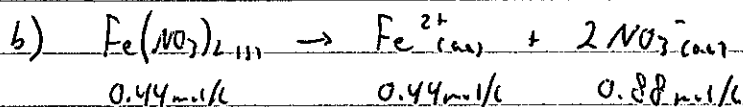
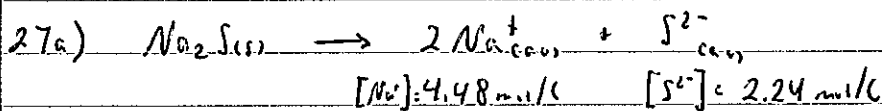
1. C 7. 10.7 13. B
2. A 8. B 14. D
3. 0.119 mol/L 9. 6813 15. 5142
4. 162 ppm 10. C
5. D 11. A

18.

19.

- 22) a. 75 ppm 23) 1200 mL 24a) 0.23 mol/L
b. 0.00187 mol/L b) 0.020 mol
c) 0.103 L
d) 0.155 mol/L
e) 1.21 g

- 25) 0.0169 g/L 26a) 13.6 L

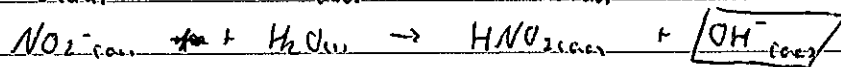
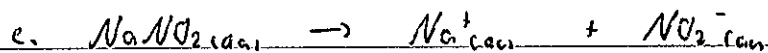
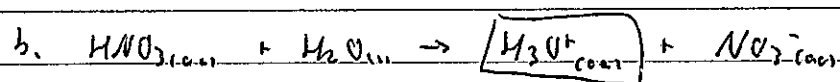
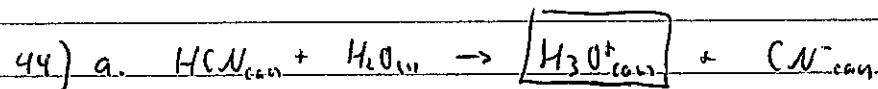


30) a. 2.12 b. 2.60

31) a. 2.74×10^{-12} mol/L b. 3×10^{-4} mol/L

35) a. pH=12 $[H_3O^+] = 1.0 \times 10^{-12}$ mol/L b. 10^9 times more concentrated
pH=3 $[H_3O^+] = 1.0 \times 10^{-3}$ mol/L

37) a. pink b. blue



45. a. ~~strong~~ weak acid b. strong acid c. weak base d. strong base