

Here are the answers to the practice problems from sections 15-2 and 15-3.

Section 15-2

1. 0.901 M NaCl
2. 84.3 g KCl
3. 6.18 M HCl
4. 228 g NaOH
5. 0.0112 M KI
6. 974 g FeCl₃
7. 08.3 M NH₃
8. 1470 g KOH
9. 0.409 m AgClO₄
10. 0.0296 m Cr
11. 0.570 m Hg(CN)₂
12. 2.84 m Pb
13. 1.55 m K₂S
14. 0.121 m NaBr
15. 0.271 m Cu
16. 0.401 m CaCl₂
17. 173 g KI
18. 0.0740 mole fraction CO
19. 0.035 mole fraction C₂H₂
20. 0.146 mole fraction O₂
21. 0.00190 mole fraction Xe
22. 0.041 mole fraction HCl
23. 0.802 mole fraction H₂O
24. 89.7 % H₂O by mass

Section 15-3

1. 1.75 °C
2. 31.7 g C₇H₆O₂
3. 5.21 °C
4. 5.78 g C₁₀H₁₆O₂
5. 7.95 °C
6. 11.1 g C₅H₅N
7. 2.26 °C
8. 15.2 g Ag
9. 3.31 °C
10. 1400 g C₂H₆O₂
11. 1.21 °C